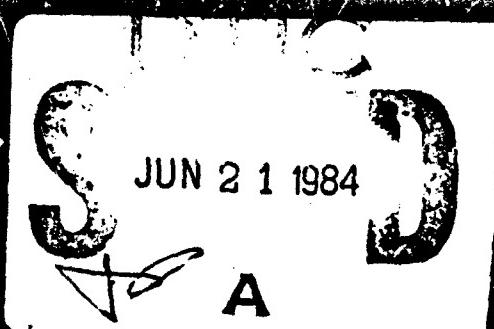


AD-A142 508



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PREFACE

This Weapons File has been prepared by AD/XRP to provide unclassified technical data on air launched weapons and munitions. The file is broken into four major categories: Air-to-Air Missiles, Guided Weapons, Unguided Weapons and Submunitions. A more detailed classified Weapons Catalogue is also available which provides performance data.

The data under AIRCRAFT indicates a typical loadout as configured for the Nonnuclear Armament Plan (NAP).

This file has been computerized for easy updating and it is our intent to expand and update this file on an annual basis; therefore, your comments on improvements would be appreciated, and should be directed to Mr Larry Roesler or Mr Lynn Deibler, AD/XRPT, Eglin AFB, FL 32542.

JUN 21 1984

A

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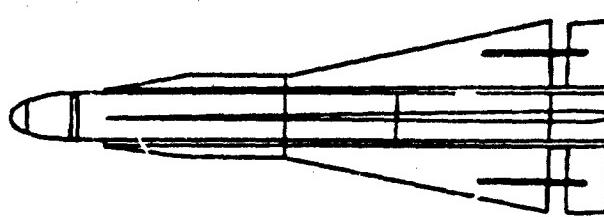
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**AIR-T0-AIR
MISSILES**

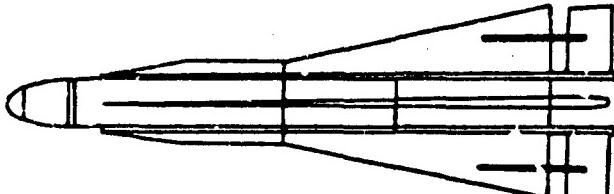
TARGETS AIRCRAFT

SHORT RANGE

NOMENCLATURE: AIM-9C	NAME FALCON
WEAPON CHARACTERISTICS	
WEIGHT- 146 LBS 66 kg	
LENGTH- 82.5 IN 184.5 CM	
DIAMETER- 6.64 IN 16.9 CM	
GUIDANCE- Infrared	
CONTROLS- TAIL HYDRAULIC	
AUTOPilot- ANGLE RATE	
PROPULSION- BOOST 4420 LBS SUSTAIN 635LBS 53SEC/4.09SEC	
WARHEAD- BLAST 8.65 LBS	
FUZE- CONTACT LEADING EDGE OF FINS	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
AIRCRAFT	LIMITATIONS
F-106	70000 FT ALT
F-102	TARGET SPEED
ENGAGEMENT SYSTEMS	MAX 1.7M
None	HIT TO KILL
LAUNCHER	16 SEC
LE-6	REACTION TIME
PROGRAM MANAGEMENT	
CONTRACTOR- HUGHES	
UNIT COST-	
STATUS- INVENTORY	
NEXT EVENT-	
REFERENCE- JMEM	

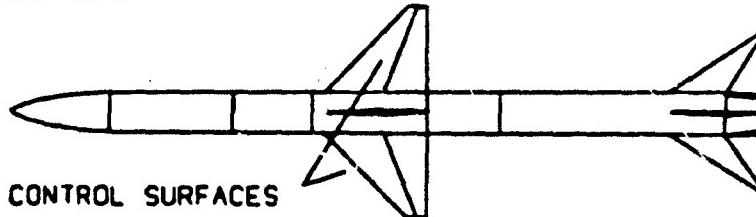
TARGETS AIRCRAFT

SHORT RANGE

NOMENCLATURE AIM-4C	NAME FALCON
WEAPON CHARACTERISTICS	
WEIGHT- 146 LBS 66 kg	
LENGTH- 82 5 IN 184 5 CM	
DIAMETER- 5 64 IN 16 9 CM	
GUIDANCE-Infrared	
CONTROLS-TAIL HYDRAULIC	
AUTOPilot-ANGLE RATE	
PROPULSION-BOOST 1420 LBS SUSTAIN 835LBS 63SEC/4.09SEC	
WARHEAD-BLAST 8.65 LBS	
FUZE- CONTACT LEADING EDGE OF FINS	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
AIRCRAFT F-106 F-102	LIMITATIONS 70000 FT ALT TARGET SPEED MAX 1 7M HIT TO KILL 18 SEC REACTION TIME
ENGAGEMENT SYSTEMS None	
LAUNCHER I.E-6	
PROGRAM MANAGEMENT	
CONTRACTOR-HUGHES	
UNIT COST-	
STATUS- INVENTORY	
NEXT EVENT-	
REFERENCE-JMEM	

TARGETS AIRCRAFT

MEDIUM RANGE

NOMENCLATURE AIM-7E-2	NAME SPARROW
WEAPON CHARACTERISTICS	
WEIGHT-427 Lbs LENGTH-145 In DIAMETER-8 In. GUIDANCE-Semi-active radar & HOI CONTROLS-Wing (hydraulic) AUTOPILOT-Roll rate PROPELLION-Boost 7,600 Lbs 2 9 sec WARHEAD-Expanding rod 66 8 Lbs MK38 FUZE-Proximity RF & contact	
PICTORIAL	
 <p>CONTROL SURFACES</p>	
EMPLOYMENT OPTIONS	
AIRCRAFT F-4 F-15 F-14	LIMITATIONS LAUNCH MACH 0.7-2.2 MAX TGT SPEED MACH 2.2 LAUNCH ALT 25-40,000 FT MAX TOF 40 SEC
LAUNCHER AERO-7A LAU-108/A	
ENGAGEMENT SYSTEM AVG-9	
PROGRAM MANAGEMENT	
CONTRACTOR-NAVY (RAYTHEON) UNIT COST- STATUS-INVENTORY NEXT EVENT- REFERENCE-JMEM	

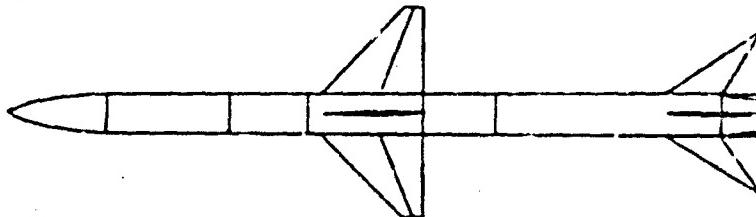
TARGETS AIRCRAFT

MEDIUM RANGE

NCMENCLATURE AIM-7F	NAME SPARROW
<u>WEAPON CHARACTERISTICS</u>	
WEIGHT-514 Lbs LENGTH-145 In DIAMETER-8 In GUIDANCE-Semi-active radar & HOJ CONTROLS-Wing (hydraulic) AUTOPilot-Roll rate PROPELLION-Boost 5750 Lbs 4 sec sustain 1016 Lbs 11 sec WARHEAD-Continuous rod 84 Lbs FUZE-Proximity RF & contact	
<u>PICTORIAL</u>	
<u>EMPLOYMENT OPTIONS</u>	
AIRCRAFT	LIMITATIONS
F-4 (4) F-15 (4) F-14 (4)	LAUNCH MACH 0.7-2.5 MAX TGT SPEED MACH 2.2 LAUNCH ALT 25-40KFT
LAUNCHER	
AERO-7A LAU-108/A	
ENGAGEMENT SYSTEMS	
AWG-9	
<u>PROGRAM MANAGEMENT</u>	
CONTRACTOR-Navy (RAYTHEON & GENERAL DYNAMICS) UNIT COST- \$52,500 STATUS-INVENTORY NEXT EVENT- REFERENCE-JMEM	

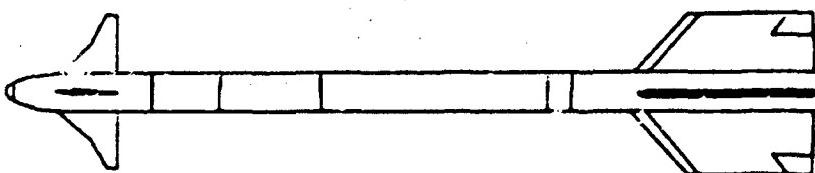
TARGETS AIRCRAFT

MEDIUM RANGE

NOMENCLATURE	AIM - 7M	NAME SPARROW
WEAPON CHARACTERISTICS		
WEIGHT-514 Lbs LENGTH-145 In DIAMETER-8 In GUIDANCE-Semi-active monopulse radar & HOS CONTROLS-Wing (hydraulic) AUTOPilot-Roll rate PROPELLION-Boost 5750 Lbs 4 Sec sustair 1018 Lbs 11 sec WARHEAD-Continuous rod 84 Lbs FUZE-Proximity RF & contact		
PICTORIAL		
		
EMPLOYMENT OPTIONS		
AIRCRAFT		LIMITATIONS
F-4 (4)		LAUNCH MACH 0 7-2 5
F-15 (4)		MAX TGT SPEED MACH 2 2
F-14 (4)		LAUNCH ALT 25-40KFT
LAUNCHER		
AERO-7A		
LAU-103/A		
ENGAGEMENT SYSTEMS		
AWG-9		
PROGRAM MANAGEMENT		
CONTRACTOR-NAVY (RAYTHEON)		
UNIT COST- \$73,200		
STATUS-INVENTORY		
NEXT EVENT-		
REFERENCE- JMEM		

TARGETS AIRCRAFT

SHORT RANGE

NOMENCLATURE AIM-9L	NAME SIDEWINDER
WEAPON CHARACTERISTICS	
WEIGHT- 19 lbs	
LENGTH- 113 in	
DIAMETER- 5 in	
GUIDANCE- IR InSb detector	
CONTROLS- Canard torque balanced	
AUTOPilot- none	
PROPELLSION- Boost 2660 lbs thrust	
WARHEAD- Annular blast frg 20.8 lbs	
FUZE- Contact and active optical	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
AIRCRAFT	LIMITATIONS
F-16	Does not
F-15	limit F-16
F-4	capability
F-14	
F-5	
A-10	
LAUNCHER	
AERO-3/E	
PROGRAM MANAGEMENT	
CONTRACTOR- NAVY (RAYTHEON & FORD)	
UNIT COST- \$30,300	
STATUS- INVENTORY	
NEXT EVENT-	
REFERENCE- JMEM	

TARGETS AIRCRAFT

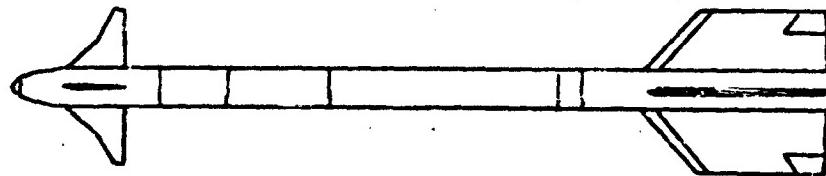
SHORT RANGE

NOMENCLATURE	AIM-9M	NAME	SIDEWINDER
--------------	--------	------	------------

WEAPON CHARACTERISTICS

WEIGHT - 191 lbs
 LENGTH - 113 in
 DIAMETER - 5 in
 GUIDANCE - IR InSb detector
 CONTROLS - Canard torque balanced
 AUTOPILLOT - none
 PROPULSION - Boost 2660 lbs. thrust Low smoke
 WARHEAD - Annular blast frg 20.8 lbs
 FUZE - Contact and active optical

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

- F-18
- F-15
- F-4
- F-14
- F-5
- A-10

LIMITATIONS

Does not
 limit F-16
 capability

LAUNCHER

- AERO-3/B
- LAU-114/A

PROGRAM MANAGEMENT

CONTRACTOR - NAVY (RAYTHEON & FORD)
 UNIT COST - \$88,833
 STATUS - INVENTORY
 NEXT EVENT -
 REFERENCE - JMEM

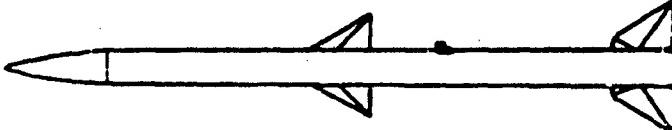
TARGETS AIRCRAFT

LONG RANGE

NOMENCLATURE AIM-54	NAME PHOENIX
WEAPON CHARACTERISTICS	
WEIGHT- 987 Lbs LENGTH- 158 In DIAMETER-15 In GUIDANCE- active and semi-active radar CONTROLS- Tail (hydraulic) AUTOPilot-3 axis rate PROPULSION- Boost 4000 Lbs 30 sec WARHEAD- Continuous rod 133 Lbs FUZE- Proximity and contact	
PICTORIAL	
EMPLOYMENT OPTIONS	
AIRCRAFT F-14 (4)	
ENGAGEMENT SYSTEM AWG-9 RADAR	
LIMITATIONS	
LAUNCH 1.0-2.5 MACH SEA LEVEL TO 80,000 FT MAX TARGET SPEED MACH 4.2	
LAUNCHER	
MAU-83A OR 84A	
PROGRAM MANAGEMENT	
CONTRACTOR- NAVY (HUGHES)	
UNIT COST-	
STATUS-INVENTORY	
NEXT EVENT-	
REFERENCE- JMEM	

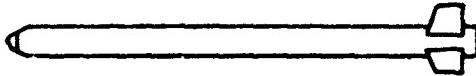
TARGETS AIRCRAFT

MEDIUM RANGE

NOMENCLATURE AIM-120	NAME AMRAAM
WEAPON CHARACTERISTICS	
WEIGHT- 329 LBS. LENGTH- 144 IN DIAMETER-7 IN GUIDANCE-[inertial]/Command [inertial] and active radar CONTROLS-Tail AUTOPilot-3 AXIS ACCELERATION PROPULSION-Boost Sustain reduced smoke WARHEAD- 49 LBS FRAG FUZE- RF	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
AIRCRAFT F-15 F-16 F-14 F-18 TORONADO LAUNCHER NEW RAIL LAUNCHER MODIFIED EJECT LAUNCHER ENGAGEMENT SYSTEMS A/C RADAR INERTIAL SYSTEM	
PROGRAM MANAGEMENT CONTRACTOR- HUGHES UNIT COST- STATUS- FSD NEXT EVENT-PREPRODUCTION - 1985 REFERENCE- YM MR. McCARTHY 872-2848	

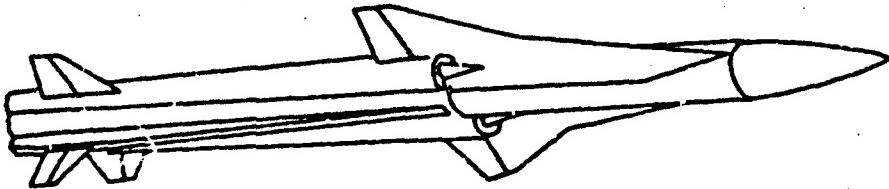
TARGETS AIRCRAFT

SHORT RANGE

NOMENCLATURE	NAME ASRAAM
WEAPON CHARACTERISTICS	
WEIGHT- 130 LBS LENGTH- 98 IN DIAMETER- 7 IN GUIDANCE- IR CONTROLS- TAIL AUTOPilot- TBD PROPULSION- BOOST SUSTAIN WARHEAD- BLAST FRAG FUZE- CONTACT / PROX.	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
AIRCRAFT F-15 F-16 F-18 TORONADO ATF	
LAUNCHER	
AIM-9L OR AIM-120 COMPATABLE	
ENGAGEMENT SYSTEMS	
HUD HELMET MOUNTED DISPLAY PROGRAM MANAGEMENT CONTRACTOR- U K. AND FRC UNIT COST- STATUS- NEXT EVENT- ENGINEERING DEV 1985 REFERENCE- MAJ MCMULLAN AV 872-0118	

TARGETS AIRCRAFT

LONG RANGE

NOMENCLATURE	NAME EMRAAT
WEAPON CHARACTERISTICS	
WEIGHT- 325 Lbs. LENGTH- 144 IN. DIAMETER- 7 In GUIDANCE-Passive-active all weather seeker (PAAS) CONTROLS-Tail electric actuators AUTOPILLOT-3 axis accel adaptive digital PROPELLION-Boost 10,000 Lbs 2sec sustain 30-1000 Lbs 100 sec WARHEAD-40-50 Lbs SAW/Self-forging frag aimed elliptical FUZE-Active RF/IR adaptive, seeker integrated Propulsion is ducted rocket or ramjet	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
AIRCRAFT F-15 F-11 NATO F-16 LAUNCHER AMRAAM LAUNCHERS	
ENGAGEMENT SYSTEM IRST FCS/TWS (3RD PARTY FCS) DATA LINK (AMRAAM) JTIDS ECM/EW TRACK SYSTEM	
PROGRAM MANAGEMENT CONTRACTOR-VOUGHT UNIT COST-AIM-120 + \$20K STATUS-CONCEPT DEVELOPMENT NEXT EVENT-TECH DEMO 1986-1989 REFERENCE-MR. BUTLER 872-2968	

**GUIDED
WEAPONS**

TARGETS HARD FIXED**SHORT RANGE**

NOMENCLATURE	AGM-12C	NAME	BULL PUP
---------------------	---------	-------------	----------

WEAPON CHARACTERISTICS

WEIGHT- 1780lb

LENGTH- 160 8in

DIAMETER- 17 3in

GUIDANCE-PILOT VISUAL TRACK, VHF DL STEERING COMMAND

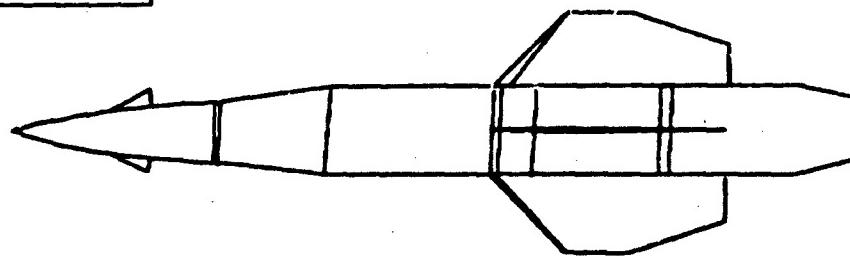
CONTROLS- PNEUMATIC OPERATED CANARDS

AUTOPILOT-ROLL REFERENCE GYRO

PROPULSION-67,200 lb-sec

WARHEAD- 974lb blast frag

FUZE- SELECTABLE IMPACT DELAY OR PROX

PICTORIAL**EMPLOYMENT OPTIONS****AIRCRAFT**

F-4

ENGAGEMENT SYSTEMS

JOY STICK

DATA LINK

LIMITATIONS

STRAIGHT AND LEVEL DELIVERY

PROGRAM MANAGEMENT

CONTRACTOR-MARTIN/THIOKOL

UNIT COST-

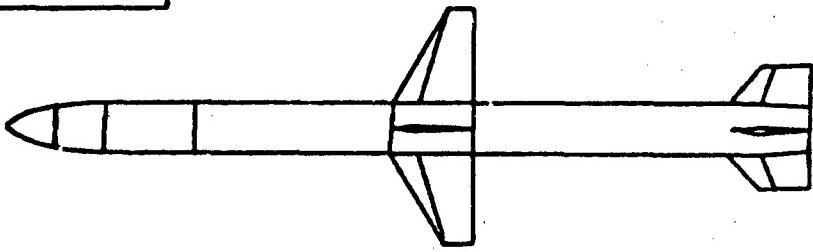
STATUS-INVENTORY

NEXT EVENT-

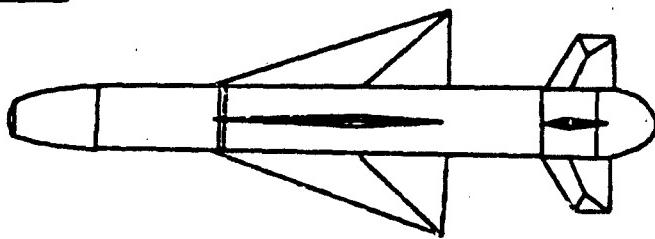
REFERENCE-JMEM

TARGETS RADAR EMITTERS

MEDIUM RANGE

NOMENCLATURE	AGM-45	NAME	SHRIKE		
WEAPON CHARACTERISTICS					
WEIGHT- 400lbs 181kg.					
LENGTH- 128in 384 8cm.					
DIAMETER- 8in 18 3cm					
GUIDANCE- passive RF, anti radiation					
CONTROLS- wing, hot gas					
AUTOPilot-angle rate roll stabilized					
PROPELLION- boost 7000lbs sustain 10,450lbs					
WARHEAD- 151 Lbs patterned frag. MK 52, 68, 69					
FUZE- proximity and contact MK 338 & MK 44					
PICTORIAL					
					
EMPLOYMENT OPTIONS					
AIRCRAFT		LIMITATIONS			
F-4 (1)		SUSCEPTABLE TO RADAR SHUTDOWN			
F-15 (1)					
F-16					
A-7					
A-10					
B-52					
F-105 (1)					
ENGAGEMENT SYSTEMS					
Audio control panel					
Altitude indicator					
APR-38					
PROGRAM MANAGEMENT					
CONTRACTOR- TEXAS INSTRUMENTS					
UNIT COST- \$29,000					
STATUS- INVENTORY					
NEXT EVENT-					
REFERENCE- JMEM 3-23					

TARGETS HARD FIXED**MEDIUM RANGE**

NOMENCLATURE	ACM-53A-1/2	NAME	CONDOR
WEAPON CHARACTERISTICS			
WEIGHT- 2130lb LENGTH- 168/175 5in DIAMETER-17 in GUIDANCE-EO WITH DATA LINK CONTROLS-TAIL AUTOPILOT-3 AXIS ACC PROPULSION-BOOST 880lb (170sec) WARHEAD- 650lb WDU-7/B FUZE- MK 383 MOD 0 IMPACT OR 14msec DELAY			
PICTORIAL			
			
EMPLOYMENT OPTIONS			
AIRCRAFT A-6E LAUNCHER AERO 7A-R MAUQA/A			
ENGAGEMENT SYSTEMS CONTROL POD			
PROGRAM MANAGEMENT CONTRACTOR-ROCKWELL UNIT COST- \$200,000 (FY77) STATUS- TERMINATED IN VALIDATION NEXT EVENT- REFERENCE- JMEM			

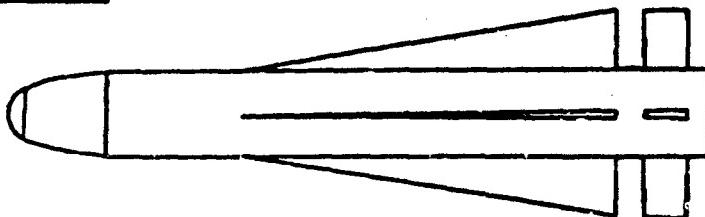
TARGETS SHIPS

LONG RANGE

NOMENCLATURE	AGM 82B	NAME	WALLEYE II
WEAPON CHARACTERISTICS			
WEIGHT-2340lb LENGTH-158in DIAMETER-18in GUIDANCE-EQ CONTRAST TRACKER /DATA LINK CONTROLS-TAIL(HYDRAULIC) AUTOPilot-ROLL CONTROL PROPULSION-NONE WARHEAD-20151b LINEAR SHAPED CHARGE M58 FUZE-CONTACT WITH DELAY(35msec)			
PICTORIAL			
EMPLOYMENT OPTIONS			
AIRCRAFT F-4 (4) A-7 (4) A-4 (4) LAUNCHER PYLON MOUNTED MAU-12A/B ENGAGEMENT SYSTEMS RADAR SCOPE LIMITATIONS LAUNCH 3450mph--8.05M			
PROGRAM MANAGEMENT CONTRACTOR-MARTIN MARETTA UNIT COST- STATUS-INVENTORY NEXT EVENT- REFERENCE-JMEM			

TARGETS ARMOR

SHORT RANGE

NOMENCLATURE: ACM-85A/B	NAME MAVERICK
WEAPON CHARACTERISTICS	
WEIGHT - 465 LBS LENGTH - 97 7in DIAMETER - 12IN GUIDANCE - TV CONTROLS - TAIL AUTOPilot - PURSUIT PROPULSION - BOOST SUSTAIN WARHEAD - SHAPED CHARGE 125LBS FUZE - CONTACT	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
AIRCRAFT	LIMITATIONS
F-4 A-7 A-10 F-16	MACH 5-15 BELOW 33 KFT
LAUNCHER LAU-88A	
ENGAGEMENT SYSTEMS	
TV DISPLAY JOY STICK	
PROGRAM MANAGEMENT	
CONTRACTOR - HUGHES UNIT COST - \$17,000 STATUS - INVENTORY NEXT EVENT - REFERENCE - JMEM	

TARGETS· ARMOR**SHORT RANGE**

NOMENCLATURE ACM-650	NAME MAVERICK
WEAPON CHARACTERISTICS	
WEIGHT- 165 LBS LENGTH- 97 7IN DIAMETER-12IN GUIDANCE-IIR CONTROLS-TAIL AUTOPILOT-ROLL STABALIZED 3 AXIS PROPULSION-BOOST SUSTAIN WARHEAD- SHAPED CHARGE 125LBS FUZE - CONTACT	
PICTORIAL	
EMPLOYMENT OPTIONS	
AIRCRAFT F-4 (4) F-15 (4) A-7 (4) A-10 (4) F-16 (4)	LAUNCHER LAU-88A LAU-117A
ENGAGEMENT SYSTEMS TV DISPLAY Joy stick Lantirn pod planned	
LIMITATIONS MACH 5-1.5	
PROGRAM MANAGEMENT CONTRACTOR-HUGHES UNIT COST- \$90,000 STATUS- PRODUCTION NEXT EVENT- IOC REFERENCE-	

TARGETS ARMOR & HARD FIXED

SHORT RANGE

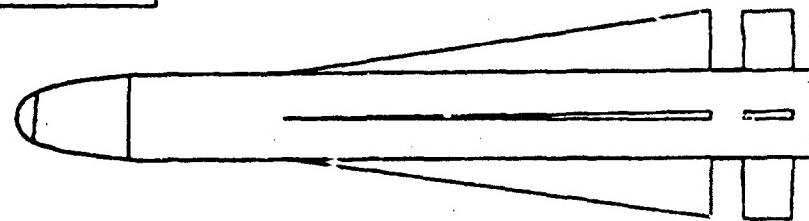
NOMENCLATURE AGM-8SF

NAME MAVERICK

WEAPON CHARACTERISTICS

WEIGHT- 675 LBS
LENGTH- 97 7in
DIAMETER- 12in
GUIDANCE-IIR
CONTROLS-TAIL
AUTOPilot-ROLL STABALIZED 3 AXIS
PROPULSION-BOOST SUSTAIN
WARHEAD- 300 LBS BLAST-FRAG
FUZE- CONTACT TIME DELAY

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-4 (4) F-15 (4)
A-7 (4)
A-10 (4)
F-18 (4)

LAUNCHER

LAU-88A
LAU-117A

ENGAGEMENT SYSTEMS

TV DISPLAY
JOY STICK

LIMITATIONS

MACH 5-1 5

PROGRAM MANAGEMENT

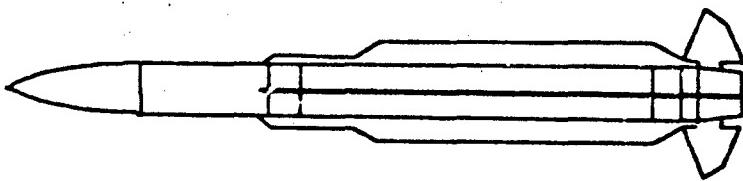
CONTRACTOR- HUGHES
UNIT COST-
STATUS- PRODUCTION
NEXT EVENT-
REFERENCE- JMFM

TARGETS EMITTERS

LONG RANGE

NOMENCLATURE	AGM-78	NAME STANDARD ARM
WEAPON CHARACTERISTICS		
WEIGHT- 1358 LBS.		
LENGTH- 180 IN.		
DIAMETER- 13 5 IN		
GUIDANCE- PASSIVE RADIATION HOMING		
CONTROLS- TAIL		
AUTOPilot- THREE AXIS ADAPTIVE		
PROPULSION- BOOST SUSTAIN 120,000LBS-SEC		
WARHEAD- BLAST FRAGMENTATION 223LBS MK 73 MOD 0,1		
FUZE- ACTIVE OPTICAL PROX (DSU-10/B)		

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-4 (4)
F-105 (2)
A-6E

LIMITATIONS

MAX RANGE 65NM
MAX LAUNCH VELOCITY 2 0M

LAUNCHER

LAU-77
LAU-7F
LAU-80

ENGAGEMENT SYSTEMS

AVG-21
APR-35,36,37
ALR-69

PROGRAM MANAGEMENT

CONTRACTOR- GENERAL DYNAMICS

UNIT COST-

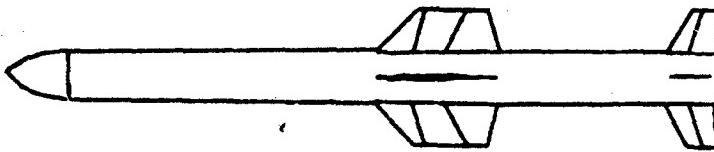
STATUS- INVENTORY

NEXT EVENT-

REFERENCE- JMEM 3-35

TARGETS SHIPS

LONG RANGE

NOMENCLATURE	ACM 84	NAME : HARPOON
WEAPON CHARACTERISTICS		
WEIGHT- 1180lb LENGTH- 151in DIAMETER- 13.5in GUIDANCE- INS MIDCOURSE , ACTIVE RADAR TERMINAL CONTROLS-TAIL AUTOPILOT-INS PROPULSION-TURBOJET SUSTAINER ENGINE WARHEAD- 500lb DESTEX FUZE- CONTACT		
PICTORIAL		
		
EMPLOYMENT OPTIONS		
AIRCRAFT P-3 S-3 A-7 A-6E LAUNCHER AERO 85A1 MAU-9A/A AERO 7A-1 ENGAGEMENT SYSTEMS INS INITIALIZATIONS		
PROGRAM MANAGEMENT CONTRACTOR-MCDONNELL DOUGLAS/IBM/TI UNIT COST- STATUS- INVENTORY NEXT EVENT- REFERENCE- JMEM		

TARGETS EMITTERS

MEDIUM RANGE

NOMENCLATURE ACM-88

NAME HARM

WEAPON CHARACTERISTICS

WEIGHT- 760 LBS

LENGTH- 164 IN

DIAMETER- 10 IN

GUIDANCE- ANTI-RADIATION

CONTROLS- WING ELECTRO-MECHANICAL

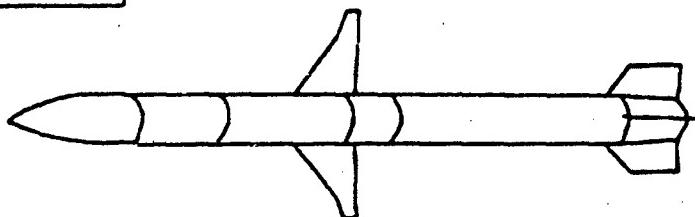
AUTOPilot- 3 AXIS RATE

PROPULSION- BOOST SUSTAIN 64,000 LBS-SEC LOW SMOKE

WARHEAD- 148 LBS BLAST FRAG

FUZE- PULSED LASER PROX. /CONTACT

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-4 (4)

F-14 (6)

ENGAGEMENT SYSTEMS

APR-38

RWR

LAUNCHER

LAU-118

PROGRAM MANAGEMENT

CONTRACTOR-TEXAS INSTRUMENTS

UNIT COST- \$280,000

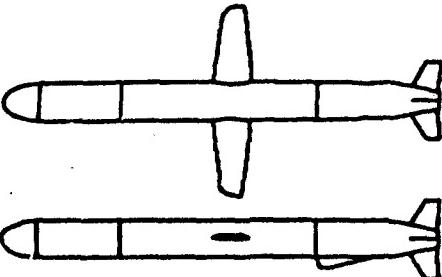
STATUS- PRODUCTION

NEXT EVENT-

REFERENCE- JMEM 3-41

TARGETS AIRFIELDS & RUNWAYS

LONG RANGE

NOMENCLATURE - ACM-109H	NAME MRASM
WEAPON CHARACTERISTICS	
WEIGHT - 3000 Lbs LENGTH - 232 In DIAMETER - 20 3 In GUIDANCE - Inertial update CONTROLS - Tail AUTOPILLOT - 3 axis acceleration PROPULSION - Turbojet WARHEAD - See submunitions below FUZE - See submunitions	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
SUBMUNITIONS	ENGAGEMENT SYSTEMS
ACM AMIS BLU-83 BTM VAM CEB BKEP	INERTIAL SYSTEM
AIRCRAFT B-52 (12)	
PROGRAM MANAGEMENT	
CONTRACTOR - GENERAL DYNAMICS	
UNIT COST - \$840,700	
STATUS - TERMINATED 1983	
NEXT EVENT -	
REFERENCE - MAJ. WEISS AV 872-4151	

TARGETS HARD FIXED

LONG RANGE

NOMENCLATURE	AGM-109I	NAME MRASM VARIANT
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WEAPON CHARACTERISTICS

WEIGHT- 3000 Lbs

LENGTH- 232 In

DIAMETER- 20 3 In

GUIDANCE-Inertial update/IIR terminal (DSMAC)

CONTROLS-Tail

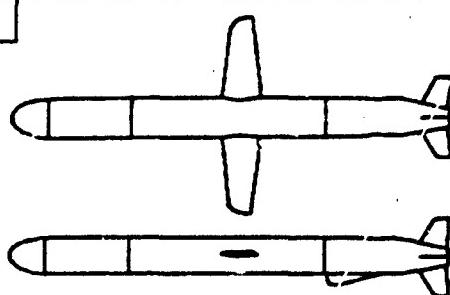
AUTOPilot- 3 axis acceleration

PROPULSION-Turbojet

WARHEAD- WDU-25 A/B 967 Lbs penetrator with 357 Lbs. H.E.

FUZE- FMU-138/B

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

B-52D (!1)

ENGAGEMENT SYSTEMS

INERTIAL SYSTEM

PROGRAM MANAGEMENT

CONTRACTOR- GENERAL DYNAMICS

UNIT COST- \$910,700

STATUS- TERMINATED

NEXT EVENT-

REFERENCE- MAJ. WEISS AV 872-4151

TARGETS-HARD POINT TARGETS

MEDIUM RANGE

NOMENCLATURE: ACM-130A

NAME POWERED GBU-15

WEAPON CHARACTERISTICS

WEIGHT- 2900 LBS.

LENGTH- 158.5 IN.

DIAMETER- 18 IN

GUIDANCE- TV/IIR/DATA LINK

CONTROLS- TAIL

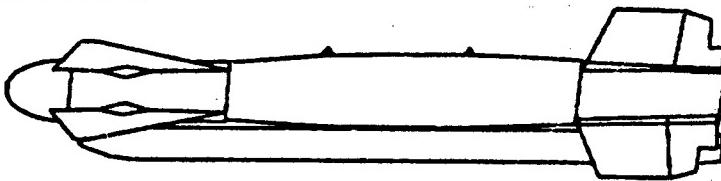
AUTOPilot- PITCH & YAW RATE, ROLL POSITION

PROPULSION- 8-9 IN DIA 120 IN LENGTH, 350 LBS BOOST

WARHEAD- MK-84, IMP MK-84, MK-83

FUZE- FMU-124A/B

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-4E (4)

F-111 (4)

F-15 (2)

F-18 (2)

LIMITATIONS

0.55-1.4 MACH BELOW 40 KFT

ENGAGEMENT SYSTEMS

TV, IIR, RADAR DISPLAY

JOY STICK

DATA LINK

LAUNCHER

MAU-12

PROGRAM MANAGEMENT

CONTRACTOR-HUGHES/ROCKWELL

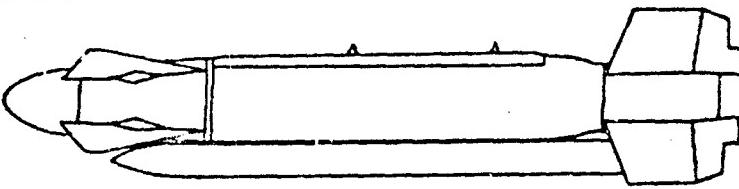
UNIT COST-TBD

STATUS- PRE FSD

NEXT EVENT-FSD JUNE 84

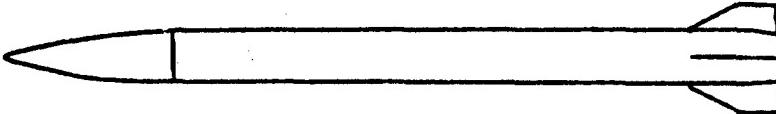
REFERENCE-

TARGETS

NOMENCLATURE ACM-130B	NAME POWERED GBU-15
WEAPON CHARACTERISTICS	
WEIGHT- 3000 # LENGTH- 180" DIAMETER-20 25" GUIDANCE-TV/IIR/DATA LINK CONTROLS- TAIL AUTOPilot-PITCH & YAW, ROLL POSIT PROPULSION- 8-9" DIA, 120" LENGTH, 350# WARHEAD- FUZE- 124A/B MODIFIED	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
AIRCRAFT	SUBMUNITIONS
F-4E F-15 F-111F A-10 } ANTICIPATED	BLU-97/B (CEB~100) BKEP ANTICIP (~400)
ENGAGEMENT SYSTEMS TV, IIR, & RADAR DISPLAY JOY STICK DATA LINK CONTROL PANEL	
DISPENSER SUU-54A/B	
PROGRAM MANAGEMENT	
CONTRACTOR- C&C HUGHES, CONTROLS ROCKWELL UNIT COST- STATUS- NEXT EVENT-FSED ~ JUN 84 REFERENCE-	

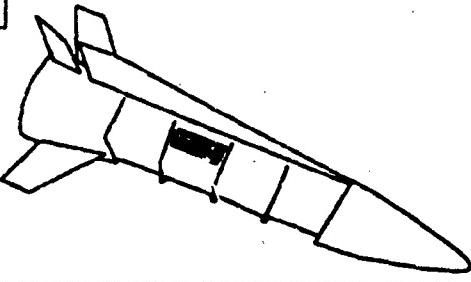
TARGETS ARMOR/AIRFIELDS

MEDIUM RANGE

NOMENCLATURE	NAME ASSAULT BREAKER
WEAPON CHARACTERISTICS	
WEIGHT- 2720 lbs LENGTH- 254 in DIAMETER-16 1 in GUIDANCE-Inertial update from PAVE MOVER CONTROLS-Tail AUTOPILOT-3 axis acc PROPULSION-TBD WARHEAD- See submunition FUZE- See submunition	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
SUBMUNITIONS	ENGAGEMENT SYSTEMS
Sheet TCSM CADM CE8 BLU 63 VAM 93	Inertial system PAVE MOVER data link
AIRCRAFT	
B-52 F-111 (4) F-4 (2) F-16 (2) A-10 (2) A-7 (2)	
PROGRAM MANAGEMENT	
CONTRACTOR- MARTIN MARIETTA UNIT COST- STATUS- TECHNOLOGY TRANSFERRED TO JTACMS NEXT EVENT- REFERENCE- ESD AV 478-5000 EXT 3075	

TARGETS HIGH VALUE FIXED

VERY LONG RANGE

NOMENCLATURE	NAME AXE
WEAPON CHARACTERISTICS	
WEIGHT- 60,100 LBS LENGTH- 48 FT DIAMETER- TBD GUIDANCE- UPATED INERTIAL CONTROLS- TAIL AUTOPILOT- 3 AXIS ACCELERATION PROPULSION- TWO STAGE SOLID WARHEAD- SUBMUNITIONS OR UNITARY FUZE- ALTITUDE SENSOR	
PICTORIAL	
	
ONE CONCEPT DESIGN TBD	
EMPLOYMENT OPTIONS	
SUBMUNITIONS KEP (384) GATOR	
PROGRAM MANAGEMENT CONTRACTOR- TBD UNIT COST- STATUS- CONCEPT FORMULATION NEXT EVENT- REFERENCE- XRO AV 872-4151	

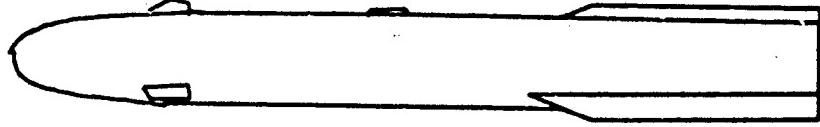
TARGETS HARD FIXED

LONG RANGE

NOMENCLATURE	NAME BACK BREAKER
WEAPON CHARACTERISTICS	
WEIGHT- Depends on submunition (LESS THAN 3000 Lbs) LENGTH- 232 In DIAMETER- 20.3 In GUIDANCE- inertial update CONTROLS-Tail AUTOPILOT- 3 axis acceleration PROPULSION-Turbojet WARHEAD- See submunitions below FUZE- TBD	
PICTORIAL	
EMPLOYMENT OPTIONS	
SUBMUNITIONS ACM AMIS BLU-63 BTM CADM CEB TGSMS	ENGAGEMENT SYSTEMS INERTIAL SYSTEM
AIRCRAFT B-52	
PROGRAM MANAGEMENT CONTRACTOR- UNIT COST- STATUS- ADVANCED DEVELOPMENT COMPLETED NEXT EVENT- REFERENCE- MR. GAY AV 872-2838	

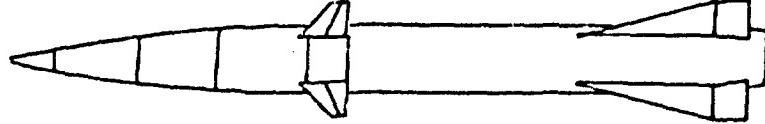
TARGETS ARMOR

SHORT RANGE

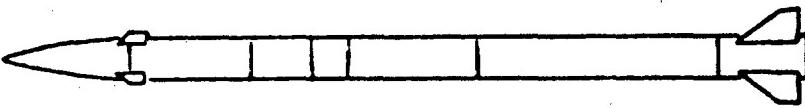
NOMENCLATURE	NAME HELLFIRE
WEAPON CHARACTERISTICS	
WEIGHT- 90lb LENGTH- 64in DIAMETER- 7in GUIDANCE-LASER CONTROLS- TAIL AUTOPilot-PITCH/ROLL CYRC PROPELLION-20,000lb-sec WARHEAD-20lb SHAPED CHARGE FUZE- CONTACT	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
AIRCRAFT A-10 ATTACK HELICOPTERS LAUNCHER FOUR RAIL UNIQUE DESIGN ENGAGEMENT SYSTEMS LAUNCHER INTERFACE	
PROGRAM MANAGEMENT	
CONTRACTOR-ROCKWELL UNIT COST- \$35,000 STATUS- PRODUCTION (ARMY) NEXT EVENT- REFERENCE-	

TARGETS: DEEP STRIKE

LONG RANGE

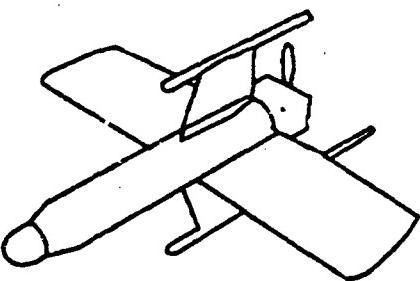
NOMENCLATURE	NAME JTACMS
WEAPON CHARACTERISTICS	
WEIGHT - 3300 LBS LENGTH - 208 in DIAMETER - 19 7 in GUIDANCE - Inertial updated (PLSS & JSTARS) CONTROLS - tail AUTOPILLOT - 3 axis acceleration PROPULSION - TBD (ROCKET OR INTEGRAL ROCKET RAMJET) WARHEAD - See submunitions FUZE - PROGRAMMABLE	
PICTORIAL	
GENERIC SYSTEM	
	
EMPLOYMENT OPTIONS	
SUBMUNITIONS TCSM KEP SKEET CEB M-74 MINES UNITARY (1000) CHEMICAL OR NUCLEAR	
LAUNCH VEHICLES B-52 G/H F-18 HEMTT TRUCK	
PROGRAM MANAGEMENT	
CONTRACTOR - TBC UNIT COST - STATUS - PRE FSD STUDY NEXT EVENT - FSD 1975 REFERENCE - COL. BARNETT AV 746-1141	

TARGETS SAM SITES

NOMENCLATURE	NAME LSD
WEAPON CHARACTERISTICS	
WEIGHT- 270 LBS LENGTH- 144 IN. DIAMETER-7 IN. GUIDANCE-ARH/MMW CONTROLS-TAIL AUTOPilot-3 axis acc PROPELLION-BOOST/ LOW SMOKE WARHEAD-25 LBS FUZE- Proximity fuze	
PICTORIAL	
FOLDING FIN OPTION	
	
EMPLOYMENT OPTIONS	
AIRCRAFT	LIMITATIONS Min. launch alt. 100ft. Max. alt 15000ft. Min launch range 1.5km. Max launch range 30km.
ATF F-16 F-15 F-111	
ENGAGEMENT SYSTEMS	LAUNCHER AMRAAM EJECTOR MODULAR RAIL LAUNCHER
RWR INERTIAL SENSORS JTIDS GPS/DME	
PROGRAM MANAGEMENT	
CONTRACTOR- UNIT COST- STATUS- NEXT EVENT- REFERENCE-	

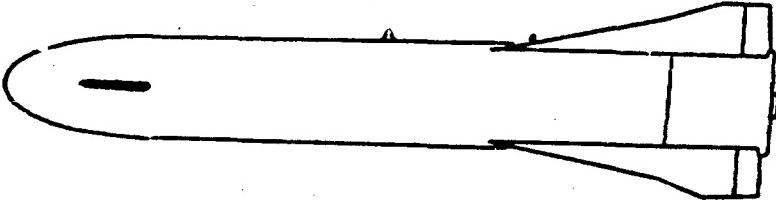
TARGETS EMITTERS

LONG RANGE

NCMENCLATURE	NAME LOCUST
WEAPON CHARACTERISTICS	
WEIGHT- 174.8 Lbs LENGTH- 8.5 Ft DIAMETER-10 In. GUIDANCE-ARM/OMEGA update CONTROLS-Ailerons & rudder AUTOPILOT- PROPULSION-internal combustion WARHEAD-13.5 Lbs FUZE-contact	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
GROUND LAUNCHED DRONE	
PROGRAM MANAGEMENT	
CONTRACTOR-GENERAL DYNAMICS, TEXAS INSTR., TELEDYNE, VFW, DONIER, MBB	
UNIT COST- \$14,000	
STATUS-TERMINATED 1981 IN VALIDATION	
NEXT EVENT-	
REFERENCE-	

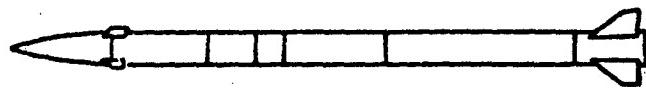
TARGETS ARMOR/AIRFIELDS

MEQUIM RANGE

NOMENCLATURE	NAME ADVANCED CLUSTER WEAPON (HAMMER)
WEAPON CHARACTERISTICS	WEIGHT- 3000 LBS. (INCLUDES SUBMUNITIONS) LENGTH- 184 INS. DIAMETER-23 x 23 1/8. GUIDANCE-2-AXIS AUTOPILOT INERTIAL CONTROLS-BANK TO TURN TAIL AUTOPILOT-PREPROGRAMMED PRIOR TO LAUNCH PROPULSION-12 ,900 lb-sec MOTOR OPTIONAL WARHEAD-MUNITIONS DISPENSER FUZE-S/A FSU 9
PICTORIAL	
EMPLOYMENT OPTIONS	POSSIBLE SUBMUNITIONS
AIRCRAFT	BLU-86 CEB SKEET SADARM SC-357 M-74 STABO HB-876 MUS KB-44 BKEP HTW
ENGAGEMENT SYSTEMS	
1760 INTERFACE	
LIMITATIONS	
MACH 0.4 TO 1.2	
PROGRAM MANAGEMENT	
CONTRACTOR-	
UNIT COST-	
STATUS- CONCEPT DEVELOPMENT	
NEXT EVENT- FSD 88	
REFERENCE- L/C NANCE AV 872-4151	

TARGETS:EMITTERS

SHORT RANGE

NOMENCLATURE	NAME SPW
WEAPON CHARACTERISTICS	
WEIGHT-150-200 Lbs LENGTH-110-120 In DIAMETER-5 In GUIDANCE-ARH/Inertial/MMW or IIR CONTROLS-Tail or canard AUTOPILOT-3 axis acc PROPELLION-Boost/low smoke or ducted rocket WARHEAD-20-34 Lbs blast frag. FUZE-Proximity fuze	
PICTORIAL	
ONE OF FIVE CONCEPTS	
	
EMPLOYMENT OPTIONS	
AIRCRAFT	LIMITATIONS
A-10 F-4 F-16 F-15 F-111 A-7 B-52	Min launch alt. 100ft Max alt. 15000ft Min launch range 1.5km Max launch range 30km.
ENGAGEMENT SYSTEMS	
RWR INERTIAL SENSORS JTIDS GPS/DME	
PROGRAM MANAGEMENT	
CONTRACTOR-HUGHES, ROCKWELL, TI, GD, MARTIN UNIT COST- STATUS- TERMINATED 1980 IN CONCEPT DEV NEXT EVENT- TECHNOLOGY TRANSFERRED TO SIDEARM II REFERENCE- AD/XRC AV 872-3722	

TARGETS HARD FIXED

SHORT RANGE

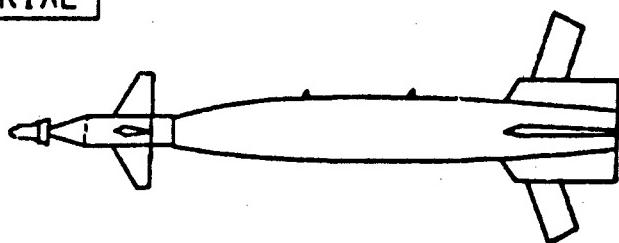
NOMENCLATURE CBU-10C/D

NAME LASER GUIDED BOMB

WEAPON CHARACTERISTICS

WEIGHT- 2081 LBS
LENGTH- 168.9 IN
DIAMETER- 18 IN
GUIDANCE- Semi-active Laser (1.06 microns)
CONTROLS- Canard
AUTOPILOT- Proportional
PROPELLION- None
WARHEAD- MK-84 Bomb
FUZE- Selectable see JMEM pg 1061

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

A-7 (2)
F-4 (2-4)
F-16 (2)
F-111 (4)
F-15 (2)

LIMITATIONS

MAX VEL. 800 KTAS

ENGAGEMENT SYSTEMS

PAVE TACK
LASER DESIGNATOR

LAUNCHER

MK 3 MOD 0 LUGS

PROGRAM MANAGEMENT

CONTRACTOR- OGDEN AIR LOGISTICS CENTER

UNIT COST- \$18,000

STATUS- INVENTORY

NEXT EVENT-

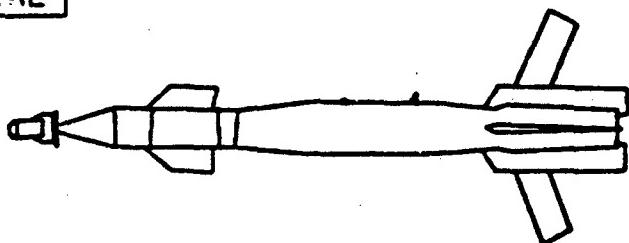
REFERENCE- JMEM 1-19

TARGETS HARD FIXED TARGETS**SHORT RANGE**

NOMENCLATURE GBU-12B/B	NAME LASER GUIDED BOMB
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WEAPON CHARACTERISTICS

WEIGHT- 600-650 LBS.
LENGTH- 126-131 IN.
DIAMETER- 10 8 IN
GUIDANCE- SEMI-ACTIVE LASER 1 08 MICRONS
CONTROLS- CANARD
AUTOPILOT- ANGLE RATE
PROPELLION- None
WARHEAD- MK-82 BOMB
FUZE- SELECTABLE SEE JMEM

PICTORIAL**EMPLOYMENT OPTIONS****AIRCRAFT**

A-7 (4)
F-4 (2-4)
F-16 (4)
F-111 (4)
F-15 (4)

LIMITATIONS

MAX VELOCITY 600 KTAS

ENGAGEMENT SYSTEMS

PAVE TACK
LASER POD

LAUNCHER

MS3314 LUGS

PROGRAM MANAGEMENT

CONTRACTOR- OGDEN AIR LOGISTICS CENTER

UNIT CUST- 08,100

STATUS- INVENTORY

NEXT EVENT-

REFERENCE- JMEM 1-52

TARGETS SHIPS, SAM SITES, BRIDGES

MEDIUM RANGE

NOMENCLATURE GBU-15 (V) 1/B NAME:

WEAPON CHARACTERISTICS

WEIGHT - 2500 LBS

LENGTH - 154.5 IN

DIAMETER - 18 IN

GUIDANCE-TV/DATA LINK

CONTROLS-Tail

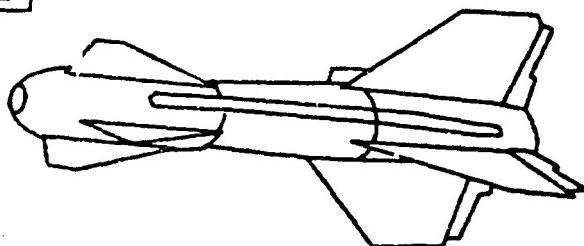
AUTOPilot-Pitch & Yaw rate, Roll position

PROPELLSION-None

WARHEAD-MK-84

FUZE-FMU-124A/B

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

B-52 (4)

F-4 (2)

F-111 (4)

A-7 (2)

LAUNCHER

MAU-12

LIMITATIONS

SS-1 4 MACH BELOW 10 KFT

ENGAGEMENT SYSTEM

TV & Radar Display

Joy stick

Data link Control panel

DISPENSER

MK-84

PROGRAM MANAGEMENT

CONTRACTOR-HUGHES/ROCKWELL

UNIT COST- \$131,000

STATUS- INVENTORY

NEXT EVENT-

REFERENCE- MR. PRESCOT 872-1201

TARGETS SHIPS, SAM SITES, BRIDGES

MEDIUM RANGE

NOMENCLATURE CBU-15(V) 2/B NAME:

WEAPON CHARACTERISTICS

WEIGHT - 2500 LBS

LENGTH - 154.5 In.

DIAMETER - 18 In.

GUIDANCE - IR/Beacon/Data Link

CONTROLS - Tail

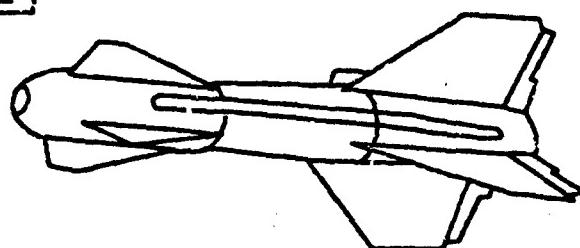
AUTOPilot - Pitch & Yaw rate, Roll position

PROPULSION - None

WARHEAD - MK-84

FUZE - FMU-124A/B

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

B-52 (4)

F-4 (2)

F-111 (4)

A-7 (2)

LAUNCHER

MAU-12

LIMITATIONS

.55-1.4 MACH BELOW 10 KFT

ENGAGEMENT SYSTEM

TV & Radar Display

Joy stick

Data link Control panel

DISPENSER

MK-84

PROGRAM MANAGEMENT

CONTRACTOR - HUGHES/ROCKWELL

UNIT COST - \$190,000

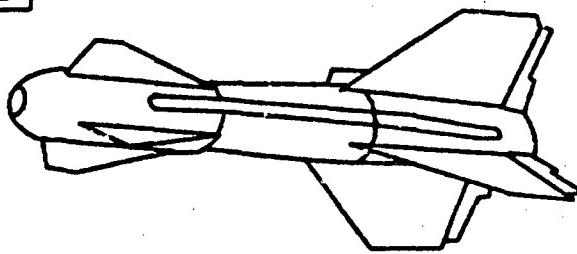
STATUS - IOT&E

NEXT EVENT - PRODUCTION DECISION 1985

REFERENCE - CAPT PHILLIPS AV 872-4100

TARGETS PERSONNEL/ARMOR/AIRFIELDS**MEDIUM RANGE****NOMENCLATURE: GBU-15(V) 3/B NAME****WEAPON CHARACTERISTICS**

WEIGHT- 2650 LBS
LENGTH- 154 IN
DIAMETER- 20 IN.
GUIDANCE- IIR/TV/DATA LINK
CONTROLS- TAIL
AUTOPilot- PITCH AND YAW RATE, ROLL POSITION
PROPULSION- None
WARHEAD- SUU-54/BLU-63 (CBU-75)
FUZE- FMU-123/B

PICTORIAL**EMPLOYMENT OPTIONS****DISPENSER**
SUU-54**SUBMUNITIONS**

{ BLU-63/B	(1470)
{ BLU-88/B	(370) }
BLU-97/B	(415)
BLU-91/B	(178)
BLU-92/B	(178)
BKEP	(35)

CBU-75**PROGRAM MANAGEMENT****CONTRACTOR-HUGHES/ROCKWELL****UNIT COST-TBD****STATUS-PRODUCTION DECISION?****NEXT EVENT-****REFERENCE- MR. PRESCOTT 872-4261**

TARGETS HARD FIXED

MEDIUM RANGE

NOMENCLATURE CBU-20(V) 2/B NAME:

WEAPON CHARACTERISTICS

WEIGHT-2700-3025 Lbs

LENGTH-154.5 In

DIAMETER-32 In

GUIDANCE-IR/Beacon/Data link

CONTROLS-Tail

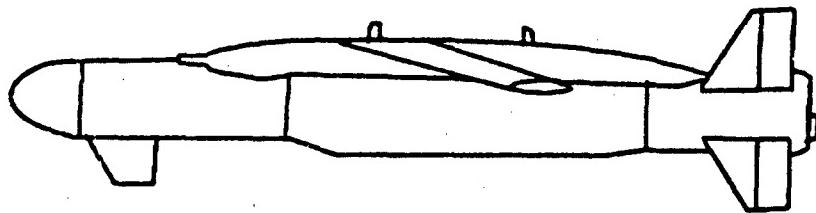
AUTOPilot- Pitch & Yaw rate, Roll position

PROPELLION-None

WARHEAD-BLU-63

FUZE-FMU-124A/B

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT
B-52

LAUNCHER

MAU-12 on heavy stores adapter

ENGAGEMENT SYSTEM

TV & Radar display

Joy stick & Data link

DISPENSER

SUU-54

PROGRAM MANAGEMENT

CONTRACTOR- HUGHES/ROCKWELL

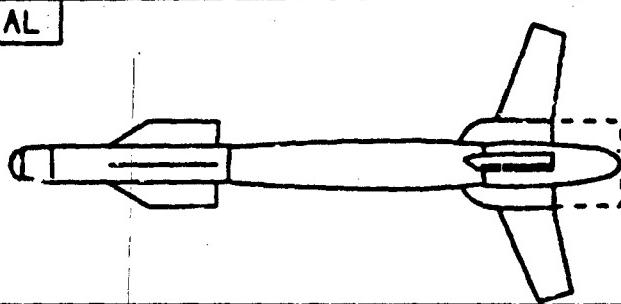
UNIT COST-

STATUS- VALIDATION COMPLETE

NEXT EVENT- TERMINATED

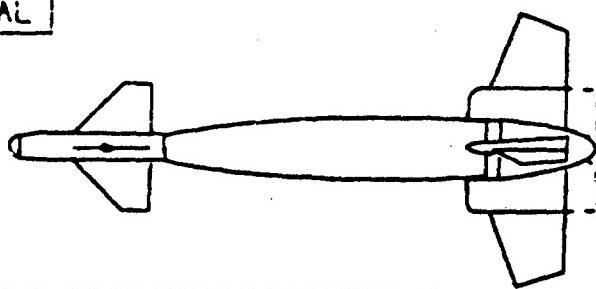
REFERENCE- MR. PRESCOTT AV 872-4261

TARGETS HARD FIXED TARGETS**SHORT RANGE**

NOMENCLATURE GBU-22	NAME LLLGB MK-82
WEAPON CHARACTERISTICS	
WEIGHT-800 Lbs. LENGTH-132 In. DIAMETER-10 In GUIDANCE-Laser semi-active CONTROLS-Nose canards AUTOPilot-Proportional guidance PROPULSION-None WARHEAD-MK-82 FUZE-Contact	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
AIRCRAFT	LAUNCHER
F-4 (1)	MAU-12
F-111 (8)	BRU-3
A-10	TER
A-7 (4)	MER
F-16 (4)	
ENGAGEMENT SYSTEMS	
Laser designator	
LIMITATIONS	
300 KTAS TO 1.4M	
PROGRAM MANAGEMENT	
CONTRACTOR-TEXAS INST.	
UNIT COST-\$14,502 FY83*	
STATUS-PRODUCTION	
NEXT EVENT-	
REFERENCE-MR. FUNK 872-2533	

TARGETS HARD FIXED TARGETS**SHORT RANGE**

NOMENCLATURE GBU-24	NAME LLLGB MK-84
WEAPON CHARACTERISTICS	
WEIGHT-2267 Lbs	
LENGTH-189 In	
DIAMETER-18 In	
GUIDANCE-Laser semi-active	
CONTROLS-Nose canards	
AUTOPILOT-Proportional guidance	
PROPELLION-None	
WARHEAD-MK-84	
FUZE-FMU-81/112	

PICTORIAL**EMPLOYMENT OPTIONS****AIRCRAFT**

F-4 (2)
F-111 (4)
A-7 (2)
F-16 (2)

LAUNCHER

MAU-12
BRU-3
TER
MER

ENGAGEMENT SYSTEMS

Laser designator

LIMITATIONS

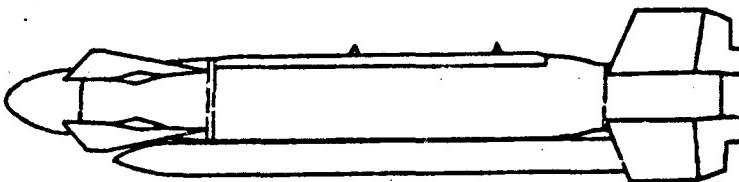
300 KTAS TO 1 4M launch

PROGRAM MANAGEMENT

CONTRACTOR-TEXAS INST.
UNIT COST-\$14,935 FY83
STATUS- PRODUCTION
NEXT EVENT-
REFERENCE-MR FUNK 872-2533

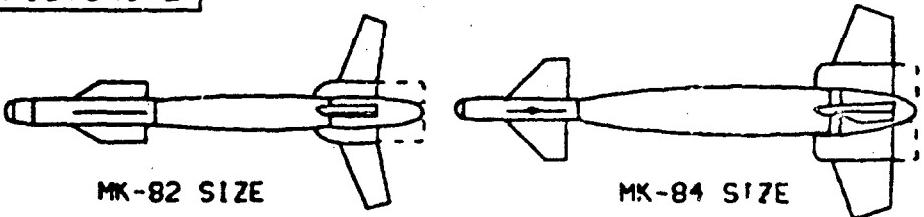
TARGETS HARD FIXED

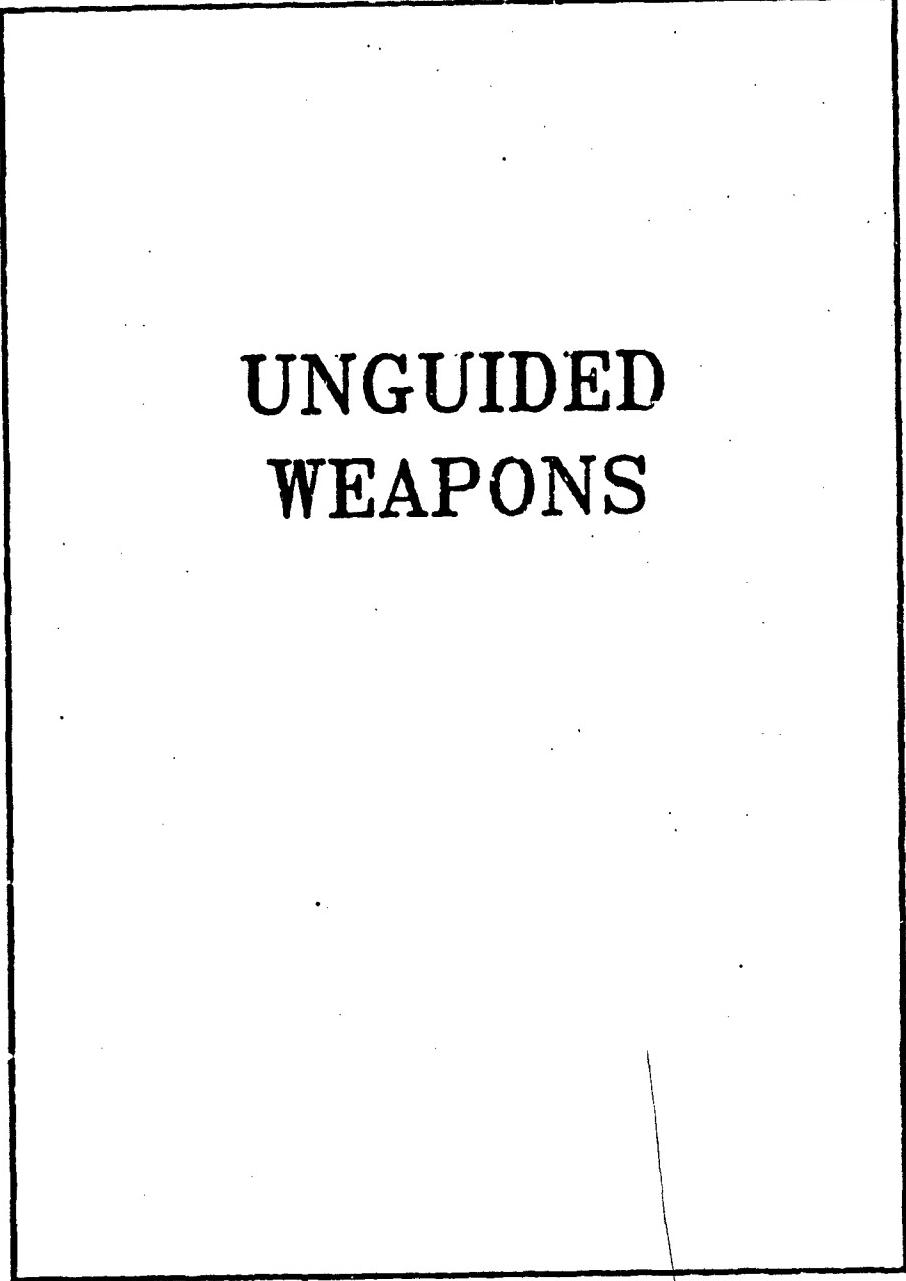
MEDIUM RANGE

NOMENCLATURE	NAME HTW
WEAPON CHARACTERISTICS	
WEIGHT- 2000 - 3000 LBS LENGTH- 155 IN DIAMETER- 18 IN GUIDANCE- INERTIAL/INERTIAL UPDATED/CORRELATION CONTROLS- TAIL AUTOPILOT- TBD PROPULSION- BOOST WARHEAD- PENETRATOR (BTM, 2000 LBS., ETC.) FUZE- VOID SENSING OR TIME DELAY OR IMPACT ETC	
PICTORIAL	
	
ONE OF MANY POSSIBLE CONFIGURATIONS	
EMPLOYMENT OPTIONS	
AIRCRAFT	
B-52 (4) F-4 (2) F-111 (4) A-7 (2) F-16 (2)	
ENGAGEMENT SYSTEMS	
GPS PLSS INERTIAL	
PROGRAM MANAGEMENT	
CONTRACTOR- BOM STUDY PHASE UNIT COST- STATUS-CONCEPT STUDIES NEXT EVENT-CONCEPT DEFINITION 1986 REFERENCE- MR TODD AV 872-4151	

TARGETS HARD FIXED TARGETS

SHORT RANGE

NOMENCLATURE	NAME LLGB
WEAPON CHARACTERISTICS	LAUNCH & LEAVE GUIDED BOMB
WEIGHT- 730 OR 2200 LBS	
LENGTH- 132 OR 169 IN	
DIA METER- 10 OR 18 IN	
GUIDANCE- IMAGING INFRARED (LWIR)	
CONTROLS- CANARD	
AUTOPilot- ANGLE RATE	
PROPELLION- None	
WARHEAD- MK-82 OR MK-84	
FUZE- FMU-81, FMU-112, MK905	
PICTORIAL	
	
SUU-64 VERSIONS ALSO CONSIDERED	
EMPLOYMENT OPTIONS	
AIRCRAFT	LIMITATIONS
F-4 (2-4)	300 KTAS TO 1.4 MACH
F-111 (4-8)	
A-7 (2-4)	
F-16 (2-4)	
ENGAGEMENT SYSTEMS	
BOMBING COMPUTER	
LAUNCHER	
MAU-12	
BRU-3	
TER/MER	
PROGRAM MANAGEMENT	
CONTRACTOR- TEXAS INSTRUMENTS (SEEKER DEV IRHVT)	
UNIT COST->\$20,000	
STATUS-ADVANCED DEVELOPMENT	
NEXT EVENT- FSD 1Q88	
REFERENCE- MAJ MARTINDALE AV 872-1830	



UNGUIDED WEAPONS

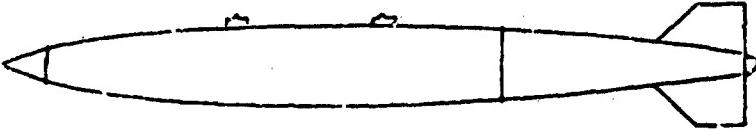
TARGETS HARD AREA TARGETS

SHORT RANGE

NOMENCLATURE MK 20	NAME ROCKEYE II
<u>WEAPON CHARACTERISTICS</u>	
WEIGHT - 500 LBS LENGTH - 92 INCH DIAMETER - 13 2 INCH GUIDANCE - INCUSED CONTROLS - NONE AUTOPILLOT - NONE PROPULSION - NONE WARHEAD - 247 MK-118 SHAPED CHARGE SUBMUNITIONS FUZE - CONTACT MK 1 MOD 0 FOR SUBMUNITION MK 339 MOD 0 TIME FUZE FOR DISPENSER	
<u>PICTORIAL</u>	
<u>EMPLOYMENT OPTIONS</u>	
AIRCRAFT	LIMITATIONS
F-4 (4-8) F-15 (8) F-16 (4) A-7 (6) A-10 (6) F-111 (8)	MAX CARRAGE MACH 1 3/700 KCAS
LAUNCHER	DELIVERY
PYLON MOUNTED	225-500 KCAS
DISPENSER MK 7	MIN ALT REL 500 FT AGL OR 400 FT AGL WITH 4G ESCAPE
<u>PROGRAM MANAGEMENT</u>	
CONTRACTOR -	
UNIT COST - \$3800	
STATUS - INVENTORY	
NEXT EVENT -	
REFERENCE - JMEM 8-78	

TARGETS FIXED

SHORT RANGE

NOMENCLATURE MK-82	NAME GP BOMB
<u>WEAPON CHARACTERISTICS</u>	
WEIGHT- 531 LBS LENGTH- 90 IN DIAMETER-10 8 IN GUIDANCE- None CONTROLS- None AUTOPilot-None PROPULSION- None WARHEAD- Blast frag 502 Lbs FUZE Mechanical or electrical (FMU-130)	
<u>PICTORIAL</u>	
	
<u>EMPLOYMENT OPTIONS</u>	
AIRCRAFT	LIMITATIONS
F-4 (4-6) F-16 (1) A-10 (6) F-111 (12) A-7 (8) F-15 (4-8)	MAX VEL 600KIAS
ENGAGEMENT SYSTEMS BOMBING COMPUTER	
LAUNCHER	
MS3314 LUGS PROGRAM MANAGEMENT CONTRACTOR- UNIT COST- \$797 STATUS- INVENTORY NEXT EVENT- REFERENCE- JMEM 1-10	

TARGETS HARD FIXED

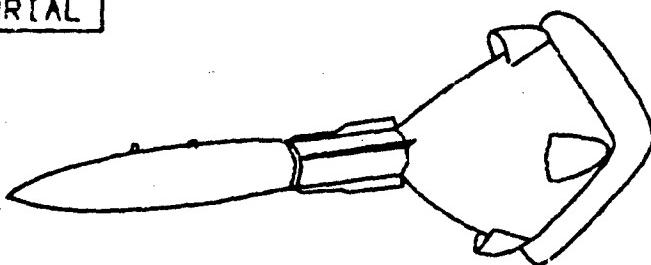
SHORT RANGE

NOMENCLATURE MK-82 (BSU-49)	NAME GP BOMB
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WEAPON CHARACTERISTICS

WEIGHT- 540 LBS.
 LENGTH- 90 IN
 DIAMETER- 10 6 IN
 GUIDANCE- None
 CONTROLS- None
 AUTOPilot- None
 PROPULSION- None
 WARHEAD- 502 LBS Blast Frog
 FUZE- Contact FMU-112

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

A-10 (6)
 A-7 (6)
 F-4 (4)
 F-16 (4)
 F-111 (12)
 F-15 (8)

LIMITATIONS

MAX VEL 700 KIAS

ENGAGEMENT SYSTEMS
BOMBING COMPUTER

PROGRAM MANAGEMENT

CONTRACTOR-
 UNIT COST- \$2105
 STATUS-INVENTORY
 NEXT EVENT-
 REFERENCE- JMEM 1-14C

TARGETS HARD FIXED

SHORT RANGE

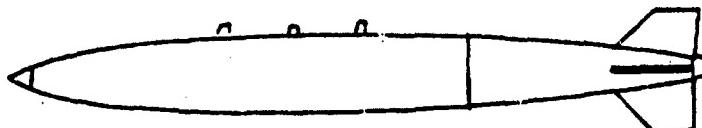
NOMENCLATURE MK-84

NAME GP BOMB

WEAPON CHARACTERISTICS

WEIGHT- 1972 Lbs.
LENGTH- 154 IN
DIAMETER- 18 IN
GUIDANCE- None
CONTROLS- None
AUTOPILLOT- None
PROPULSION- None
WARHEAD- Blast Fragmentation
FUZE- Contact FMU-130

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

A-7 (2)
F-4 (2)
F-16 (2)
F-111 (4)
F-15 (3)

LIMITATIONS

600 KIAS

ENGAGEMENT SYSTEMS

Bombing computer

LAUNCHER

MK 3 MOD 0 LUGS

PROGRAM MANAGEMENT

CONTRACTOR-

UNIT COST- \$2400

STATUS-INVENTORY

NEXT EVENT-

REFERENCE- JMEM 1-24

TARGETS HARD FIXED

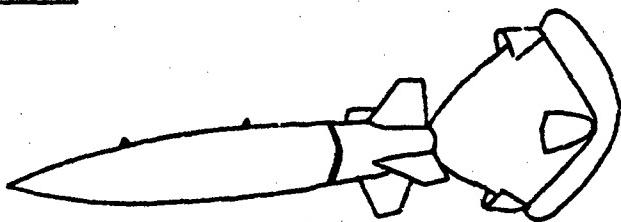
SHORT RANGE

NOMENCLATURE MK-84 (BSU-50)	NAME GP BOMB
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WEAPON CHARACTERISTICS

WEIGHT- 2016 LBS
LENGTH- 15 IN
DIAMETER- 13 IN
GUIDANCE- None
CONTROLS- None
AUTOPilot- None
PROPULSION- None
WARHEAD- Blast Frag
FUZE- Contact FMU-112

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT
A-7 (2)
F-4 (2)
F-16 (2)
F-111 (4)
F-15 (3)

LIMITATIONS
MAX VEL 700 KIAS

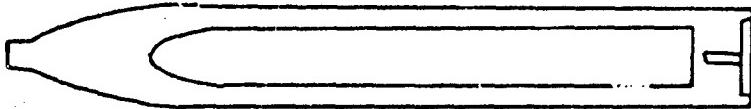
ENGAGEMENT SYSTEMS
BOMBING COMPUTER

PROGRAM MANAGEMENT

CONTRACTOR-
UNIT COST- \$3003
STATUS- PRODUCTION
NEXT EVENT-
REFERENCE- JMEM 1-28A

TARGETS: SOFT AND HARD FIXED

SHORT RANGE

NOMENCLATURE	NAME IMPROVED 2000
WEAPON CHARACTERISTICS	(IMPROVED MK-84)
WEIGHT- 1928 LBS.	
LENGTH- 100 IN	
DIAMETER- 14 5 IN.	
GUIDANCE-	
CONTROLS-	
AUTOPilot- } INTEGRATED INTO GBU-15 AND GBU-24	
PROPULSION- }	
WARHEAD-	
FUZE-FMU-112, FMU-139, FMU-124, MOD FUZE	
PICTORIAL	
EMPLOYMENT OPTIONS	
AIRCRAFT	LAUNCHER
A-7 (2)	MAU-12
F-16 (2)	MER/TER
F-111 (1)	
F-4 (2)	
ENGAGEMENT SYSTEMS	
SAME AS GBU-15 OR LLLGB	
LIMITATIONS	
300 KTAS TO 1.4 M LAUNCH	
PROGRAM MANAGEMENT	
CONTRACTOR-	
UNIT COST- \$8-16K	
STATUS- ADV DEV	
NEXT EVENT- FSD	
REFERENCE- DR. CALUDA AV0725375	

TARGETS HARD FIXED

SHORT RANGE

NOMENCLATURE M117 RETARD

NAME GP BOMB

WEAPON CHARACTERISTICS

WEIGHT- 954 LBS

LENGTH- 82 IN.

DIAMETER- 18 1 IN.

GUIDANCE- None

CONTROLS- None

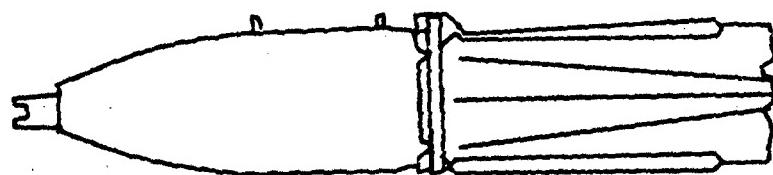
AUTOPILOT- None

PROPULSION- None

WARHEAD- BLAST FRAGMENTATION 754 LBS. HE

FUZE- CONTACT

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-4 (4)

F-16 (4)

F-15 (4)

A-7 (4)

F-111 (8)

LIMITATIONS

600 KAIS

ENGAGEMENT SYSTEMS
BOMBING COMPUTER

LAUNCHER

MS 3314 LUGS

PROGRAM MANAGEMENT

CONTRACTOR- OGDEN AIR LOGISTICS CENTER

UNIT COST-

STATUS- INVENTORY

NEXT EVENT-

REFERENCE- JMFM 1-22

TARGETS: HARD FIXED

SHORT RANGE

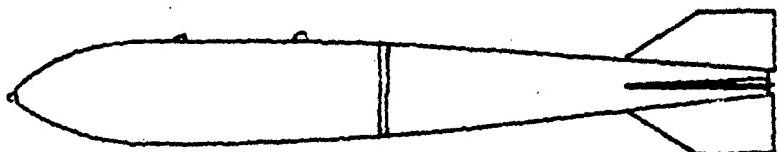
NOMENCLATURE: M118

NAME: DEMOLITION BOMB

WEAPON CHARACTERISTICS

WEIGHT- 3020 LBS
LENGTH- 183 IN
DIAMETER- 24 1 IN
GUIDANCE- None
CONTROLS- None
AUTOPilot- None
PROPELLION- None
WARHEAD- BLAST 188 LBS HE
FUZE- CONTACT

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-4 (2)
F-111 (4)

LIMITATIONS

600 KIAS

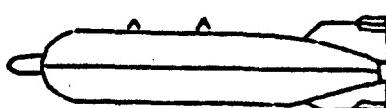
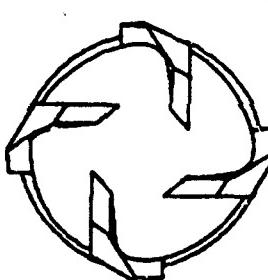
ENGAGEMENT SYSTEMS
BOMBING COMPUTER

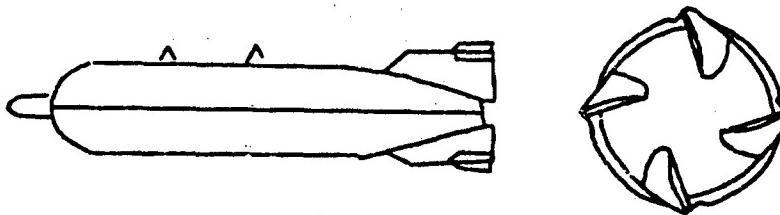
LAUNCHER

MK 3 MOD 0 LUGS

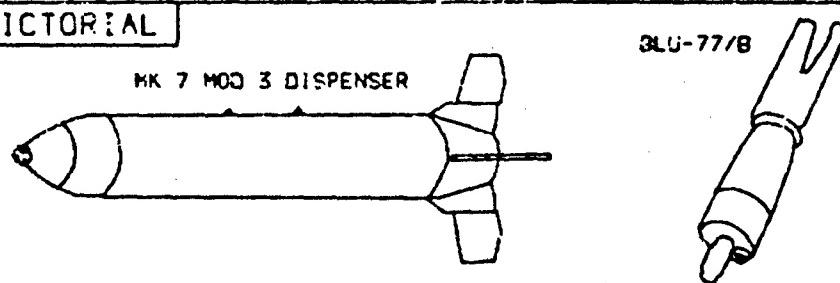
PROGRAM MANAGEMENT

CONTRACTOR- AFLC OGDEN AIR LOGISTICS CTR
UNIT COST-
STATUS- INVENTORY
NEXT EVENT-
REFERENCE- JMEM 1-34

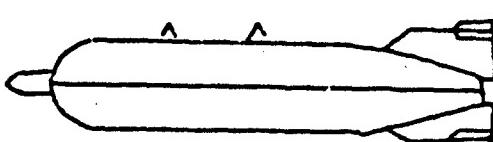
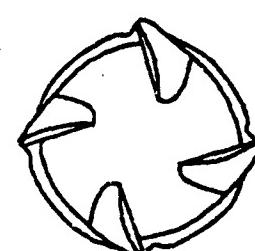
TARGETS PERSONNAL/MATERIAL		SHORT RANGE
NOMENCLATURE CBU-52 /BLU-61	NAME	
WEAPON CHARACTERISTICS		
WEIGHT- 789 LBS LENGTH- 93 IN DIAMETER- 16 IN GUIDANCE- None CONTROLS- None AUTOPilot- None PROPULSION- None WARHEAD- 220 BLU-61A/B BOMBLETS FUZE- M339 Dispenser, M219 Bomblet		
PICTORIAL		
 		
EMPLOYMENT OPTIONS		
AIRCRAFT	LIMITATIONS	
A-7 (8) F-4 (4-8) F-16 (4) F-111 (8) F-15 (8)	MAX VEL 625 KIAS	
DISPENSER		
SUU-30B/B		
SUBMUNITION		
220 BLU-61A/B		
ENGAGEMENT SYSTEMS		
BOMBING COMPUTER		
PROGRAM MANAGEMENT		
CONTRACTOR- USA UNIT COST- \$1800 STATUS- INVENTORY NEXT EVENT- REFERENCE- JMFM 8-44		

TARGETS LIGHT MATERIAL	SHORT RANGE
NOMENCLATURE CBU-58	NAME
WEAPON CHARACTERISTICS	
WEIGHT- 800 LBS LENGTH- 93 IN DIAMETER- 16 IN GUIDANCE- None CONTROLS- None AUTOPilot- None PROPULSION- None WARHEAD- 650 BLU-63 Bomblets FUZE- M339 Dispenser, M219 Bomblet	
PICTORIAL	
EMPLOYMENT OPTIONS	
AIRCRAFT A-7 (8) F-4 (4-8) F-10 (4) F-111 (8) F-15 (8)	LIMITATIONS MAX VEL. 625 KIAS
ENGAGEMENT SYSTEMS BOMBING COMPUTER	DISPENSER SUU-30H/B
LAUNCHER 14 INCH BOMB RACKS PROGRAM MANAGEMENT CONTRACTOR- USA UNIT COST- \$3124 STATUS- INVENTORY NEXT EVENT- REFERENCE- JMEM 6-88	SUBMUNITION 650 BLU-63/B

TARGETS HARD AREA TARGETS

NOMENCLATURE CBU-59/B	NAME APAM
WEAPON CHARACTERISTICS	
WEIGHT- 750 LBS LENGTH- 92 INCH DIAMETER- 13 2 INCH GUIDANCE- UNGUIDED CONTROLS- NONE AUTOPILLOT- NONE PROPELLION- NONE WARHEAD- 717 BLU-77/B SHAPED CHARGE FUZE- CONTACT MK 1 MOD 0 FOR SUBMUNITION MK 339 MOD 0 TIME FUZE FOR DISPENSER	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
AIRCRAFT	LIMITATIONS
F-4 (4-8) F-15 (8) F-16 (4) A-7 (8) A-10 (6) F-111 (8)	MAX CARRAGE MACH 1.3/700 KCAS
LAUNCHER	DELIVERY
PYLON MOUNTED	225-500 KCAS
DISPENSER	MIN ALT REL 500 FT AGL OR 400 FT. AGL WITH 4G ESCAPE
MK 7	
PROGRAM MANAGEMENT	SUBMUNITION
CONTRACTOR-USA UNIT COST- STATUS- INVENTORY NEXT EVENT- REFERENCE- JMFM 8-83	BLU-77/B (717)

TARGETS:

NOMENCLATURE CBU-71/B	NAME
WEAPON CHARACTERISTICS	
WEIGHT- 789 LBS LENGTH- 93 IN DIAMETER- 16 IN GUIDANCE- None CONTROLS- None AUTOPILOT- None PROPELLION- None WARHEAD- 650 BLU-86 TIME DELAY BOMBLETS FUZE- M338 Dispenser, M219 Bomblet	
PICTORIAL	
	
	
EMPLOYMENT OPTIONS	
AIRCRAFT	LIMITATIONS
A-7 (8)	MAX VEL 625 KIAS
F-4 (4-8)	
F-16 (4)	
F-111 (8)	DISPENSER
F-15 (8)	SUU-30H/B
	SUBMUNITION
ENGAGEMENT SYSTEMS	650 BLU-86/B
BOMBING COMPUTER	
LAUNCHER 14 INCH BOMB RACKS	
PROGRAM MANAGEMENT	
CONTRACTOR- USA	
UNIT COST- \$3824	
STATUS-	
NEXT EVENT-	
REFERENCE- JMEM 6-71	

TARGETS AREA TARGETS

SHORT RANGE

NOMENCLATURE CBU-72/B

NAME FUEL AIR EXPLOSIVE

WEAPON CHARACTERISTICS

WEIGHT- 500 LBS.

LENGTH- 85.6 IN

DIAMETER- 14 IN

GUIDANCE- None

CONTROLS- None

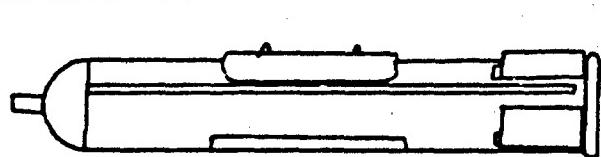
AUTOPILOT- None

PROPULSION- None

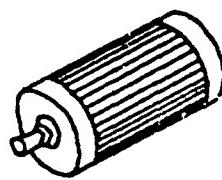
WARHEAD- BLU-73/B (FUEL)

FUZE-MK 33B MOD 0 MECHANICAL

PICTORIAL



SUU-49/B



BLU-73/B

EMPLOYMENT OPTIONS

DISPENSER
SUU-49/B

SUBMUNITIONS
BLU-73/B (3)

PROGRAM MANAGEMENT

CONTRACTOR- USA

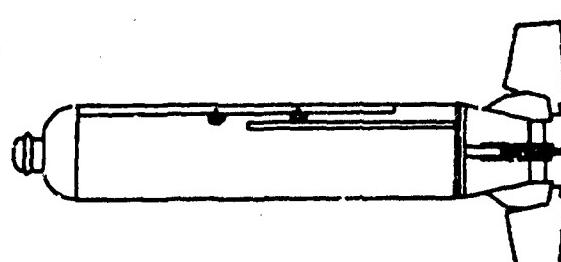
UNIT COST-

STATUS-

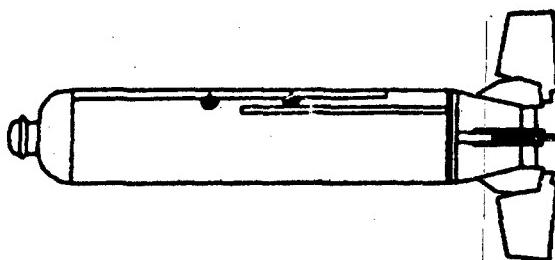
NEXT EVENT-

REFERENCE-JMEM 1-44A

TARGETS

NOMENCLATURE	CBU-87/B	NAME	CEM
WEAPON CHARACTERISTICS			
WEIGHT	945 lbs.		
LENGTH	92 INS		
DIAMETER	15 8 INS		
GUIDANCE	N/A		
CONTROLS	SPIN		
AUTOPilot	NONE		
PROPULSION	NONE		
WARHEAD	CEB BLU 97/B shaped charge/ fragmentation		
FUZE	INTEGRAL PART OF DISPENSER & INCENDIARY		
	FZU-39/B PROX SENSOR		
PICTORIAL			
			
EMPLOYMENT OPTIONS			
AIRCRAFT		DISPENSER	
F-4	(6)	SUU-65/A	
F-16	(4)	SUBMUNITIONS	
A-10	(4)	CEB/BLU-97/B (202)	
F-111	(8)		
A-7	(4)		
ENGAGEMENT SYSTEMS			
None			
LIMITATIONS			
A/C LAUNCH ENV			
LAUNCHER MER/TER			
PROGRAM MANAGEMENT			
CONTRACTOR-AERO JET GENERAL			
UNIT COST-\$13,500			
STATUS-			
NEXT EVENT-			
REFERENCE- SD8M MR. BROWN AV 8723000			

TARGETS

NOMENCLATURE	CBU-89/B	NAME	GATOR
WEAPON CHARACTERISTICS			
WEIGHT- 710 lb LENGTH- 92 in DIAMETER- 16 in GUIDANCE- None CONTROLS- None AUTOPilot- none PROPELLION- none WARHEAD- BLU 91/92 FUZE- INTEGRAL PART OF DISPENSER FZU-39/B PROX SENSOR			
PICTORIAL			
			
EMPLOYMENT OPTIONS			
AIRCRAFT		DISPENSER	
F-16 (4)		SUU-89/B	
F-111 (8)			
A-10 (4)		SUBMUNITION	
F-4 (0)		BLU-91/B (72) ANTI-TANK	
ENGAGEMENT SYSTEMS		BLU-92/B (22) ANTI-PERSONNEL	
NONE		LAUNCHER	
LIMITATIONS		MER/TER	
DELIVERY ENVELOPE			
200 ft TO 40,000 ft ALT			
200 TO 700 KNOTS A/S			
PROGRAM MANAGEMENT			
CONTRACTOR- HONEYWELL/AEROJET			
UNIT COST- \$25,800			
STATUS-			
NEXT EVENT-			
REFERENCE- VALADE AV8723900			

TARGETS HEAVY ARMOR

NOMENCLATURE	CBU-90/B	NAME	ACM
WEAPON CHARACTERISTICS			
WEIGHT	945 lbs		
LENGTH	82 ins		
DIAMETER	15.8 ins		
GUIDANCE	N/A		
CONTROLS	Spin Option		
AUTOPilot	N/A		
PROPULSION	N/A	{ 3 horizontal and 1 downward slug	
WARHEAD	BLU-99(ACM)	{ Self forging fragmenting	
FUZE	Integral part of Dispenser		
	FZU-39/B Prox Sensor		
PICTORIAL			
EMPLOYMENT OPTIONS			
AIRCRAFT		SUBMUNITION	
F-4	(6)	BLU-99 (48)	
F-16	(4)		
F-111	(8)	DISPENSER	
A-10	(4)	SUU-65/B	
A-7	(4)		
ENGAGEMENT SYSTEMS			
COCKPIT ARMING			
LAUNCHER			
MER/TER			
PROGRAM MANAGEMENT			
CONTRACTOR	HONEYWELL		
UNIT COST	\$27,000 FY82*		
STATUS	TERMINATED AFTER FSD		
NEXT EVENT			
REFERENCE			

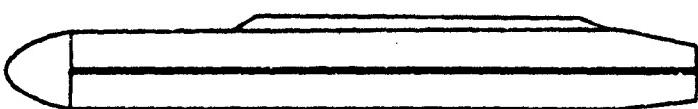
TARGETS:

NOMENCLATURE: CBU-92/B	NAME ERAM
WEAPON CHARACTERISTICS	
WEIGHT- 960 lb LENGTH- 92 in DIAMETER-15.6 in GUIDANCE-N/A CONTROLS-SPIN CONTROL AUTOPilot-N/A PROPULSION-N/A WARHEAD-SELF FORCING FRAG BLU-101/B FUZE- FZU-39/B Proximity sensor	
PICTORIAL	
EMPLOYMENT OPTIONS	
AIRCRAFT	SUBMUNITIONS
F-4 (6)	BLU-101B AVCO (9)
F-16 (4)	
F-111 (8)	
A-10 (4)	
ENGAGEMENT SYSTEM	DISPENSER
ARMING	SUU-65/B
LAUNCHER	
MER/TER	
LIMITATIONS A/C LAUNCH ENV	
PROGRAM MANAGEMENT	
CONTRACTOR- AVCO	
UNIT COST- \$37,500	
STATUS- VALIDATION COMPLETE	
NEXT EVENT- FSD 85	
REFERENCE- MR HILL AV 8725780	

TARGETS AIRFIELDS

NOMENCLATURE	NAME DURANDAL
WEAPON CHARACTERISTICS	
WEIGHT- 130 LBS.	
LENGTH- 96 IN	
DIAMETER- 9 IN	
GUIDANCE- None	
CONTROLS- Parachute resist	
AUTOPilot- None	
PROPULSION- Boost only	
WARHEAD- Blast	
FUZE- Contact delay	
PICTORIAL	
EMPLOYMENT OPTIONS	
AIRCRAFT	LIMITATIONS
F-4 (4-8)	500 KTAS ON F-111
F-16 (4)	630 KTAS ON F-4
F-111 (12)	
F-15 (8)	
ENGAGEMENT SYSTEMS	
BOMBING COMPUTER	
LAUNCHER	
14 INCH RACKS	
PROGRAM MANAGEMENT	
CONTRACTOR- FRANCE	
UNIT COST- \$25,000	
STATUS-	
NEXT EVENT-	
REFERENCE- LT COL PEARCE AV 8728557	

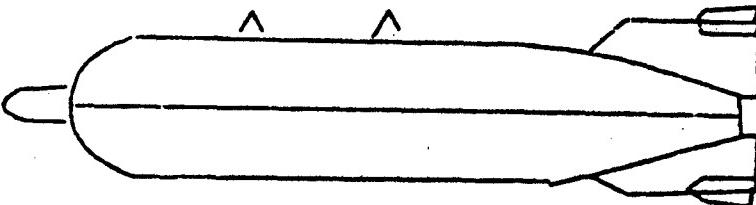
TARGETS: LIGHT ARMOR

NOMENCLATURE	GPU-5A	NAME	30 MM GUN POD
WEAPON CHARACTERISTICS			
WEIGHT	2000 lbs		
LENGTH	14 ft		
DIAMETER	25.12 ins		
GUIDANCE	NA		
CONTROLS	NA		
AUTOPILOT	NA		
PROPULSION	NA		
WARHEAD	30 mm AMMO		
FUZE	NA		
PICTORIAL			
			
EMPLOYMENT OPTIONS			
AIRCRAFT			
F-4	(2)		
A-7	(2)		
F-16	(2)		
ENGAGEMENT SYSTEM			
A/C radar			
LIMITATIONS		LAUNCHER	
No maneuvering restrictions		PYLON MOUNTED	
PROGRAM MANAGEMENT			
CONTRACTOR	GENERAL ELECTRIC		
UNIT COST	\$311,500		
STATUS	PRODUCTION		
NEXT EVENT			
REFERENCE	MAJ. FRANCIS AV8728186		

TARGETS TANK VEHICLES

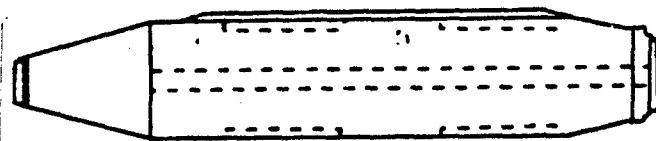
NOMENCLATURE	NAME STABILIZED CAU-8
WEAPON CHARACTERISTICS	
WEIGHT-Increase CAU-8 by 300 Lbs LENGTH-N/A DIAMETER-30 mm. GUIDANCE-Lantirn pod used for LOS CONTROLS-Hydraulic actuators AUTOPILOT-N/A PROPELLION-N/A WARHEAD-Discarding SABOT improved API FUZE- N/A	
PICTORIAL	
EMPLOYMENT OPTIONS	
AIRCRAFT A-10 (1)	
ENGAGEMENT SYSTEM LANTIRN POD INS	
LIMITATIONS A-10 ENVELOPE	
PROGRAM MANAGEMENT CONTRACTOR- FRAICHILO UNIT COST- STATUS- TERMINATED 82 NEXT EVENT- REFERENCE-	

TARGETS AREA TARGETS

NOMENCLATURE SUU-30A/B	NAME DISPENSER
WEAPON CHARACTERISTICS	
WEIGHT- 195 LBS EMPTY 830 LBS LOADED WITH BLU-28/B LENGTH- 93 IN DIAMETER- 16 IN GUIDANCE- None CONTROLS- None AUTOPilot- None PROPULSION- None WARHEAD- SEE SUBMUNITIONS FUZE-	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
SUBMUNITIONS	SYSTEM
BLU-28/B (650-670)	CBU-24
BLU-61/B (220)	CBU-52
BLU-63/B (650)	CBU-58
BLU-85/B (79)	CBU-70
PROGRAM MANAGEMENT	
CONTRACTOR- USA	
UNIT COST-	
STATUS- INVENTORY	
NEXT EVENT-	
REFERENCE- JMEM 6-31	

TARGETS . ARMOR , AREA**SHORT RANGE****NOMENCLATURE SUU-54****NAME .****WEAPON CHARACTERISTICS**

WEIGHT- 2140 LBS LOADED
LENGTH- 137 IN
DIAMETER- 20 IN
GUIDANCE- None
CONTROLS- None
AUTOPilot- None
PROPULSION- None
WARHEAD- SEE SUBMUNITIONS
FUZE- FMU-110/B

PICTORIAL**EMPLOYMENT OPTIONS****AIRCRAFT**

F-111 (4)
F-4 (2)
F-16 (2)
A-7 (2)

SUBMUNITIONS

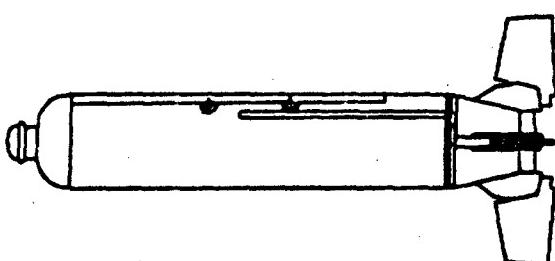
BLU-83/B	(1440)	{	CBU-75/B
BLU-86/B	(300)		CBU-15(V) 3/B
BLU-61A/B	(650)	CBU-79/B	
BLU-87/B	(98)	CBU-80/B	
BLU-108	(35)		
BLU-91/92	(170)	}	CBU-15(V) 3/B
BLU-97/B	(415)		

PROGRAM MANAGEMENT

CONTRACTOR-
UNIT COST-
STATUS-INVENTORY
NEXT EVENT-
REFERENCE-MR.PRESCOTT AV 872-4621

TARGETS ARMOR, AREA

SHORT RANGE

NOMENCLATURE	SUU-65/B	NAME	TMD		
WEAPON CHARACTERISTICS					
WEIGHT - 950 Lbs max (215 Lbs empty)					
LENGTH - 92 In					
DIAMETER - 16 In					
GUIDANCE - None					
CONTROLS - Spin					
AUTOPILLOT - None					
PROPELLSION - None					
WARHEAD - see submunitions					
FUZE - Integral fuze HOB 300 FT. TO 3000 FT. SETTABLE FZU-39/b Prox sensor					
PICTORIAL					
					
EMPLOYMENT OPTIONS					
AIRCRAFT		SUBMUNITIONS			
F-4 (6)		BLU-99/B (48)			
F-16 (4)		BLU-101/B (9)			
F-111 (8)		BLU-102/B (12)			
A-10 (4)		BLU-97/B (202)			
A-7 (4)		{BLU-91/B} (72) AT			
B-52D (TBD)		{BLU-92/B} (22) AP			
ENGAGEMENT SYSTEMS		SKEET (64)			
None					
LAUNCHER					
MER/TER & MSER					
PROGRAM MANAGEMENT					
CONTRACTOR - HONEYWELL					
UNIT COST - \$3474					
STATUS - PRODUCTION					
NEXT EVENT -					
REFERENCE - MR. VALADE AV 872-3000					

TARGETS ARMOR

SHORT RANGE

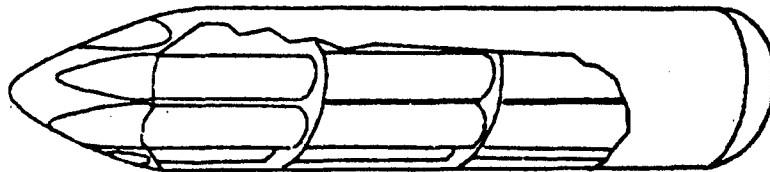
NOMENCLATURE

NAME WASP PCD

WEAPON CHARACTERISTICS

WEIGHT- 1813 LBS
LENGTH- 210 IN
DIAMETER-22 X 24 IN
GUIDANCE-N/A
CONTROLS-N/A
AUTOPilot-N/A
PROPULSION-N/A
WARHEAD-WASP Submunitions
FUZE-N/A

PICTORIAL



EMPLOYMENT OPTIONS

SUBMUNITIONS
WASP (8)

AIRCRAFT

F-16 (2)
F-111 (4)
A-10 (2) PODS
F-4 (2)
A-7 (2)
NATO

ENGAGEMENT SYSTEMS

PAVE MOVER
INERTIAL SYSTEM

PROGRAM MANAGEMENT

CONTRACTOR-HUGHES

UNIT COST- \$270,200 POD LOADED WITH 8 MISSILES

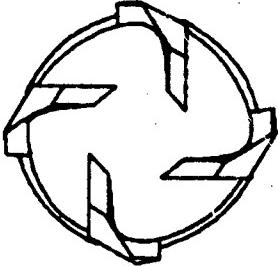
STATUS-COMPLETED VALIDATION

NEXT EVENT- NEW MMW TECH 87 START

REFERENCE- LT COL BUCHNER AV 872-5868

SUBMUNITIONS

TARGETS VEHICLES, PERSONNEL

NOMENCLATURE BLU-81A/B	NAME BOMBLET
WEAPON CHARACTERISTICS	
WEIGHT-2 7 LBS LENGTH-SPHERICAL DIAMETER-3 5 IN GUIDANCE-None CONTROLS-None AUTOPilot-None PROPULSION- None WARHEAD-.65 H.E FUZE-M218 IMPACT	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
DISPENSER SUU-30 (220)	
PROGRAM MANAGEMENT	
CONTRACTOR- UNIT COST-<88.00 STATUS-INVENTORY NEXT EVENT- REFERENCE- JMEM 8-44	

TARGETS LIGHT MATERIAL

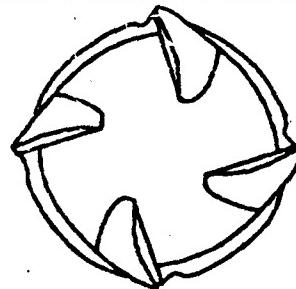
NOMENCLATURE: BLU-63/B

NAME

WEAPON CHARACTERISTICS

WEIGHT- 931 LBS.
LENGTH- SPHERICAL
DIAMETER- 2 9 IN
GUIDANCE- None
CONTROLS- None
AUTOPILLOT- None
PROPULSION- None
WARHEAD- 25 LBS HE
FUZE- M219 CONTACT

PICTORIAL

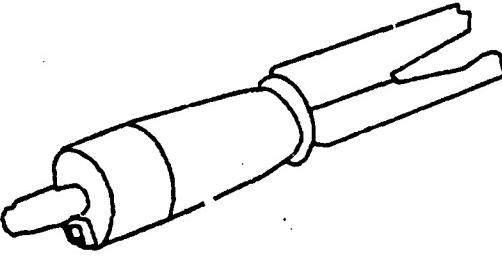


EMPLOYMENT OPTIONS

DISPENSER
SUU-30H/B (650)

PROGRAM MANAGEMENT
CONTRACTOR- USA
UNIT COST- < \$5.00
STATUS- INVENTORY
NEXT EVENT-
REFERENCE- JMEM 8-68

TARGETS LIGHT MATERIAL, PERSONNEL

NOMENCLATURE BLU-77/B	NAME APAM
WEAPON CHARACTERISTICS	
WEIGHT- 0.82 LBS	
LENGTH- 8 8 IN.	
DIAMETER- 1 58 IN	
GUIDANCE- None	
CONTROLS- None	
AUTOPILOT- None	
PROPULSION- None	ZIRCONIUM CUP FOR INCINERATION
WARHEAD- 0.12 LBS HE SHAPED CHARGE	
FUZE- HARD TARGET CONTACT AND SOFT TARGET TIMED DELAY	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
DISPENSER	
MK 7 MOD 3 (717) (CBU-50/B)	
PROGRAM MANAGEMENT	
CONTRACTOR-	
UNIT COST-	
STATUS-INVENTORY	
NEXT EVENT-	
REFERENCE- JMEM 6-84	

TARGETS PERSONNEL/ARMOR/AIRFIELDS

MEDIUM RANGE

NOMENCLATURE BLU-80/B

NAME BIGEYE

WEAPON CHARACTERISTICS

WEIGHT- 2650 LBS

LENGTH- 154 IN

DIAMETER- 20 IN

GUIDANCE- IIR/TV/DATA LINK

CONTROLS- TAIL

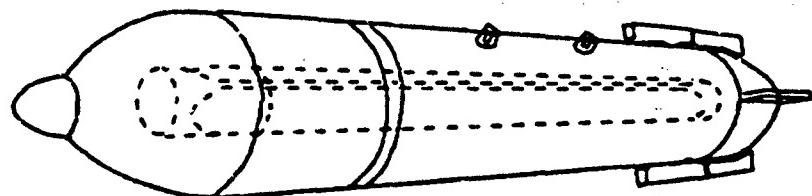
AUTOPilot- PITCH AND YAW RATE, ROLL POSITION

PROPULSION- None

WARHEAD- SUU-54/BLU-63 (CBU-75)

FUZE- FMU-123/B

PICTORIAL



EMPLOYMENT OPTIONS

DISPENSER

SUU-54

SUBMUNITIONS

{BLU-63/B	(1470)	}	CBU-75
{BLU-86/B	(370)		
BLU-97/B	(415)		
BLU-91/B	(170)		
BLU-92/B	(170)		
BKEP	(35)		

PROGRAM MANAGEMENT

CONTRACTOR-HUGHES/ROCKWELL

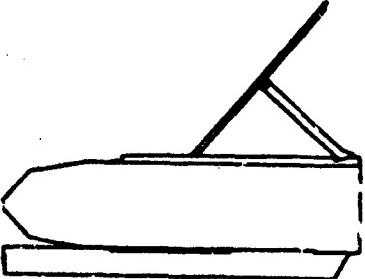
UNIT COST-TBD

STATUS-PRODUCTION DECISION?

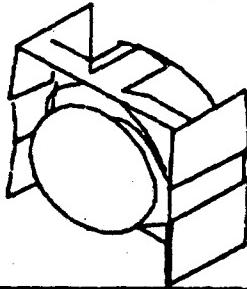
NEXT EVENT-

REFERENCE-MR. PRESCOTT 872-4261

TARGETS VEHICLES, AIRCRAFT

NOMENCLATURE	BLU-81/B	NAME	STAM
WEAPON CHARACTERISTICS			
WEIGHT- 80 Lbs LENGTH- 19 In DIAMETER- 4 75 In GUIDANCE-RF & IR CONTROLS-Single fin AUTOPilot-Spin stabilized PROPULSION-Blast (ejected) WARHEAD-25 M-42 SHAPED CHARGE BOMBLETS IN EACH MINE FUZE- Seismic			
PICTORIAL			
			
EMPLOYMENT OPTIONS			
DISPENSERS TMD 101 SUU-54 (18)			
LIMITATIONS Heavy foliage may reduce effectiveness			
AIRCRAFT A-10 (2) F-10 (2) F-4 (2)			
PROGRAM MANAGEMENT CONTRACTOR-GENERAL DYNAMICS UNIT COST- STATUS- DISCONTINUED NEXT EVENT- REFERENCE-MR BIELE AV 872-8591			

TARGETS .ARMOR

NOMENCLATURE	BLU-91/B	NAME	GATOR
WEAPON CHARACTERISTICS			
WEIGHT- 4 31 Lbs			
LENGTH- 5 7 x 5 0 x 2 6 In			
DIAMETER- None			
GUIDANCE-None			
CONTROLS-None			
AUTOPILOT-None			
PROPULSION-None			
WARHEAD- Mass focus			
FUZE- Magnetic			
PICTORIAL			
			
EMPLOYMENT OPTIONS			
DISPENSER			
SUU-64/B non-spin TMD (72)			
WEAPON SYSTEM			
CBU-89/B			
PROGRAM MANAGEMENT			
CONTRACTOR-HONEYWELL			
UNIT COST- \$197			
STATUS-PRODUCTION			
NEXT EVENT-			
REFERENCE- MR VALADE AV 872-3000			

TARGETS PERSONNEL

NOMENCLATURE	BLU-92/B	NAME	CATOR
WEAPON CHARACTERISTICS			
HEIGHT- 5 75 Lbs			
LENGTH- 5 7 x 5 0 x 2 6 In.			
DIAMETER- None			
GUIDANCE-None			
CONTROLS-None			
AUTOPilot-None			
PROPULSION-None			
WARHEAD-FRAGMENTATION			
FUZE-TRIP WIRE			
PICTORIAL			
EMPLOYMENT OPTIONS			
DISPENSER			
SUU-64/B non-spin TMD (22)			
WEAPON SYSTEM			
CBU-89/B			
PROGRAM MANAGEMENT			
CONTRACTOR- AEROJET GENERAL			
UNIT COST- \$330			
STATUS- PRODUCTION			
NEXT EVENT-			
REFERENCE- MR. VALADE AV 872-3500			

TARGETS PERSONNEL, LIGHT MATERIAL

NOMENCLATURE BLU-85/B, BLU-86/B	NAME FAE II
---------------------------------	-------------

WEAPON CHARACTERISTICS

WEIGHT- 515 LBS AND 2000 LBS.

LENGTH- 92 IN AND 158 IN

DIAMETER- 15 IN AND 23 5 IN

GUIDANCE- None

CONTROLS- None

AUTOPILLOT- None

PROPULSION- None

WARHEAD- 315 LBS AND 1420 LBS PROPYLENE OXIDE

FUZE- DSU-23/B TARGET DETECTION DEVICE (30-40 FT PROX)

FSU-9/B S&A

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-4 (4-6)

F-16 (4-6)

F-111 (6)

A-10 (4-6)

ENGAGEMENT SYSTEMS

BOMBING COMPUTER

LAUNCHER

MER/TER

PROGRAM MANAGEMENT

CONTRACTOR- NAVY

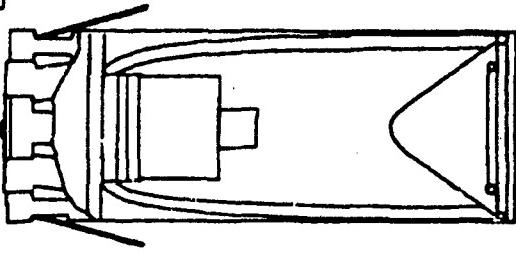
UNIT COST-

STATUS- DISCONTINUED

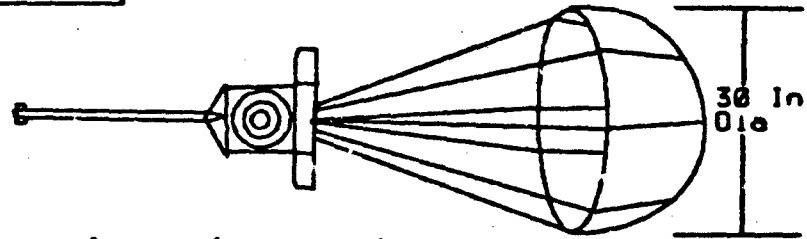
NEXT EVENT-

REFERENCE- JMEM 1-44

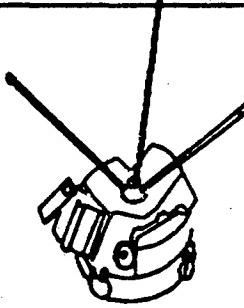
TARGETS PERSONNEL, LIGHT ARMOR

NOMENCLATURE	BLU-97/8	NAME	CEB
WEAPON CHARACTERISTICS			
WEIGHT	3 lbs		
LENGTH	6 6 ins after release 10 2 ins		
DIAMETER	2.51 In		
GUIDANCE	N/A		
CONTROLS	Balloons stabilizer		
AUTOPilot			
PROPULSION	N/A		
WARHEAD	Shaped charge, fragment with Zr. incendiary		
FUZE	CONTACT		
PICTORIAL			
			
EMPLOYMENT OPTIONS			
DISPENSER			
202 CEB'S CAN BE CARRIED IN THE SUU 65/9			
WEAPON SYSTEM			
CBU-87/8			
PROGRAM MANAGEMENT			
CONTRACTOR			
AEROJET GENERAL			
UNIT COST			
\$30			
STATUS			
PRODUCTION			
NEXT EVENT			
REFERENCE			
MAJ. COOPER AV 872-3000			

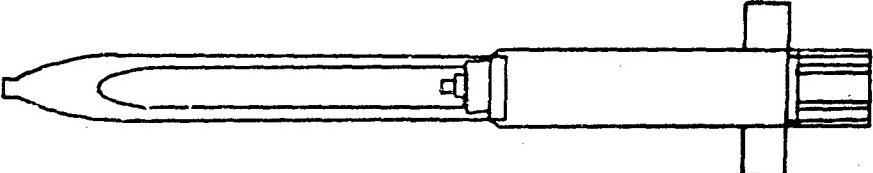
TARGETS HEAVY ARMOR

NOMENCLATURE	BLU-99/B	NAME ACM
WEAPON CHARACTERISTICS:		
WEIGHT - 14 Lbs LENGTH - 7.78 In high wedge shaped DIAMETER - 8.0 In wide GUIDANCE - None CONTROLS - None AUTOPILOT - None PROPELLION - None WARHEAD - Self forging frag FUZE - contact		
PICTORIAL		
 Flat panel cruciform parachute 30 In. 016		
EMPLOYMENT OPTIONS		
DISPENSER SUU-65/B (48)		
WEAPON SYSTEM CBU-98/B		
PROGRAM MANAGEMENT CONTRACTOR - HONEYWELL UNIT COST - \$300 STATUS - TERMINATED NEXT EVENT - REFERENCE - AD/YA AV 872-8418		

TARGETS: ARMORED VEHICLES

NOMENCLATURE	BLU-101/B	NAME	ERAM
WEAPON CHARACTERISTICS			
WEIGHT- 80 lbs. LENGTH- 8.0 in DIAMETER- 4 in GUIDANCE-N/A CONTROLS-N/A AUTOPILOT-N/A PROPELLION-N/A WARHEAD-4.7 in SFF FUZE-IR airborne sensor			
PICTORIAL			
			
EMPLOYMENT OPTIONS			
NUMBER S/M PER DISPENSER			
NUMBER AT W/H PER S/M			
NUMBER OF CFM PER S/M:			
AIRCRAFT	WEAPON SYSTEM		
F-16	(4)	PODS	CBU-82/B
F-111	(8)	PODS	
F-4	(4)	PODS	
A-10	(4)	PODS	
A-7	(4)	PODS	
DISPENSER			
SUU-65/B			
PROGRAM MANAGEMENT			
CONTRACTOR-	AVCO		
UNIT COST-	\$1737 FY82*		
STATUS-	TERMINATED		
NEXT EVENT-			
REFERENCE-	MR. HILL AV872-8384		

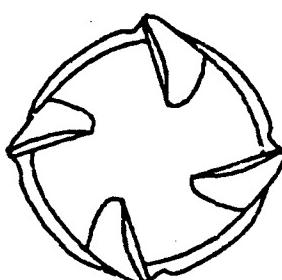
TARGETS-AIRFIELDS

NCMENCLATURE: BLU-108	NAME BKEP
WEAPON CHARACTERISTICS	
WEIGHT- 45 LBS. LENGTH- 43 5 IN DIAMETER- 3 35/4 0 IN GUIDANCE- None CONTROLS- PARACHUTE RETARDED AUTOPILOT- None PROPELLION- BOOST ONLY WARHEAD- 6 5 LBS H.E FUZE- ELECTRONIC/PYROTECHNIC	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
DISPENSER	
MRASM JTACMS TMD (8) AXE SAW SU-54(15)	
PROGRAM MANAGEMENT	
CONTRACTOR- USA UNIT COST- \$2500 STATUS- NEXT EVENT- REFERENCE- MR. CALUDA AV872-5375	

TARCTS ARMOR

NOMENCLATURE BLU-108	NAME . SFW SUBMUNITION
WEAPON CHARACTERISTICS	
WEIGHT- SOVA 55 LBS SKEET 9 LBS. LENGTH- SOVA 31 IN SKEET 3 75 IN THICK DIAMETER- SOVA 5 25 IN SKEET 5 0 IN GUIDANCE- SOVA LASER ALT SKEET IR (PbSe) CONTROLS- SPIN STABILIZED AUTOPilot- None PROPULSION- JET REACTORS WARHEAD- 4 SKEET SFF PER SOVA FUZE- SEEKER FUZE	
PICTORIAL	
EMPLOYMENT OPTIONS	
AIRCRAFT	SUBMUNITION
A-10 (4)	SOVA (10) PER TMD
F-4 (4)	
F-16 (4)	
F-111 (8)	
A-7 (6)	DISPENSER
F-15 (6)	TMD
ENGAGEMENT SYSTEMS	
BOMBING COMPUTER	
PROGRAM MANAGEMENT	
CONTRACTOR- AVCO	
UNIT COST- \$5K PER SOVA	
STATUS- PRE FSD	
NEXT EVENT- FSD MAY 84	
REFERENCE- MR STONE AV 872-8446	

TARGETS LIGHT MATERIAL

NOMENCLATURE M-74	NAME
WEAPON CHARACTERISTICS	
WEIGHT- 1 28 LBS. LENGTH- SPHERICAL DIAMETER- 2.2 IN GUIDANCE- None CONTROLS- None AUTOPILLOT- None PROPELLION- None WARHEAD- .25 LBS HE TITANIUM FUZE- M219 CONTACT	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
DISPENSER SAW CSW	
PROGRAM MANAGEMENT CONTRACTOR- USA (ARMY) UNIT COST- \$5.00 STATUS- END PRODUCTION 1984 NEXT EVENT- REFERENCE- ARMY	

TARGETS: ARMOR

NOMENCLATURE: MK 118

NAME: ROCKEYE

WEAPON CHARACTERISTICS

WEIGHT- 1 32 LBS.

LENGTH- 2 1 IN.

DIAMETER- 1 91 IN

GUIDANCE- None

CONTROLS- None

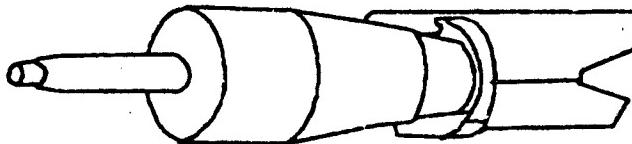
AUTOPilot- None

PROPELLION- None

WARHEAD- @ 10 LBS. HE COPPER SHAPED CHARGE

FUZE- CONTACT PIEZOELECTRIC

PICTORIAL



EMPLOYMENT OPTIONS

DISPENSER

MK 7 MOD 2

WEAPON SYSTEM

MK 20 ROCKEYE

PROGRAM MANAGEMENT

CONTRACTOR- USA

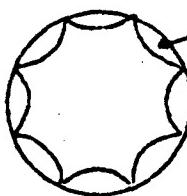
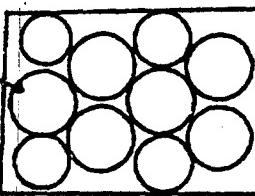
UNIT COST- < \$10.00

STATUS- INVENTORY

NEXT EVENT-

REFERENCE- JMFM 6-76

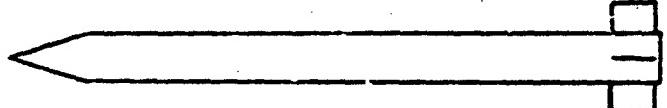
TARGETS LIGHT ARMOR

NOMENCLATURE	NAME AMIS
WEAPON CHARACTERISTICS	
WEIGHT-14- 18 Lbs	
LENGTH-8 9-10 4 In	
DIAmETER-4 8-5 4 In	
GUIDANCE-N/A	
CONTROLS-N/A	
AUTOPilot-N/A	
PROPULSION-N/A	
WARHEAD-Self-forging frag Zr or Ti incendiary	
FUZE- Contact, extended probe	
PICTORIAL	
 END VIEW	 SIDE VIEW
EMPLOYMENT OPTIONS	
DISPENSERS	
TMD	
HAMMER	
MRASM	
BOSS	
AIRCRAFT	
A-10	NUMBER DEPENDS
A-7	ON DISPENSER
F-16	
PROGRAM MANAGEMENT	
CONTRACTOR-	HONEYWELL/CHAMBERLIN
UNIT COST-	\$300 FY82\$
STATUS-	TERMINATED
NEXT EVENT-	
REFERENCE-	MR. BRIERE AV8722005

TARGETS BUNKERS

NOMENCLATURE	NAME BTM
WEAPON CHARACTERISTICS	
WEIGHT-359.13LBS LENGTH-77 In DIAMETER-8 3 In GUIDANCE- UNGUIDED SUBMUNITION CONTROLS- AUTOPILOT-None PROPELLION- WARHEAD-42 8 LBS AFX-708 FUZE-G-level sensor	
PICTORIAL	
BUNKERED TARGET MUNITION	
EMPLOYMENT OPTIONS	
DISPENSERS	
MRASM ALCM Advanced Cruise Missile HAMMER	
ENGAGEMENT SYSTEMS	
Inertial sensors	
AIRCRAFT	
B-52 F-111 (4) F-16 (2) DEPENDS ON DISPENSER	
PROGRAM MANAGEMENT	
CONTRACTOR- LOCKHEED UNIT COST- STATUS- NEXT EVENT- TERMINATED REFERENCE- AL WEIMORTS AV8722005	

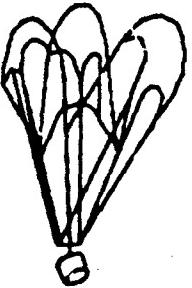
TARGETS: ARMORED VEHICLES

NOMENCLATURE	NAME HVM
WEAPON CHARACTERISTICS	
WEIGHT- 40-45 LBS. LENGTH- 85 IN DIAMETER- 4 0 IN. GUIDANCE-Laser command CONTROLS-THRUSTERS AUTOPilot-ROLL REFERENCE PROPULSION-BOUSt-SUSTAIN VARHEAD-6-8 LBS. K.E. ROD FUZE- None	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
AIRCRAFT F-16 (2) (PODS) A-10 (2) (PODS)	
ENGAGEMENT SYSTEM Aircraft target acq / track sys. Laser data link Advanced Lantirn pod	
LAUNCHER Multi-missile pod (20 missiles)	
PROGRAM MANAGEMENT CONTRACTOR- VOUGHT UNIT COST-\$6410 FY82\$ EST STATUS- GROUND LAUNCH DEMO 1983 NEXT EVENT- REFERENCE- MR. SHIREY AV8728877	

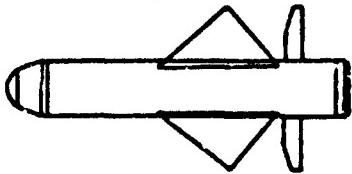
TARGETS. RUNWAYS

NOMENCLATURE	NAME RIM
WEAPON CHARACTERISTICS	
WEIGHT- 251bs LENGTH- 201ns DIAMETER- 4 751ns GUIDANCE-N/A CONTROLS-N/A AUTOPILOT-N/A PROPELLION-N/A WARHEAD- 4 5lb SHAPED CHARGE DUAL STAGE FUZE- RANDOM DELAY	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
DISPENSER LAD--48 SUBMUNITIONS HAMMER (TBUI) MRASM	
PROGRAM MANAGEMENT CONTRACTOR- AEROJET GENERAL UNIT COST- \$525 FY82* STATUS- TERMINATED NEXT EVENT- REFERENCE-	

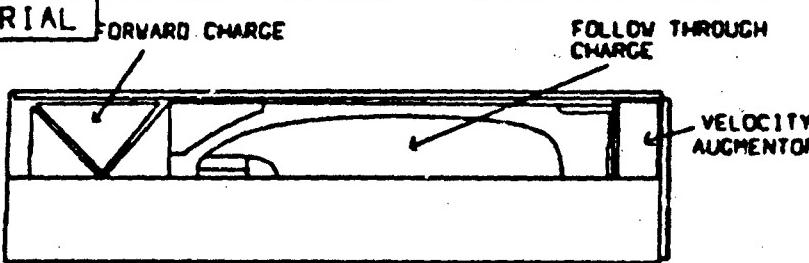
TARGETS ARMOR

NOMENCLATURE	NAME SADARM
WEAPON CHARACTERISTICS	
WEIGHT-TBD LESS THAN 10 LBS LENGTH-TBD DIAMETER-5 OR 8 IN GUIDANCE- IR OR MMW CONTROLS- STABILIZING PARACHUTE AUTOPilot-None PROPULSION- None WARHEAD- SFF FUZE- SENSOR FUZE	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
DISPENSER SUU-85/B (40) SAW	
PROGRAM MANAGEMENT CONTRACTOR- HONEYWELL UNIT COST- STATUS- TERMINATED NEXT EVENT- REFERENCE- ARMY MLRS OFFICE	

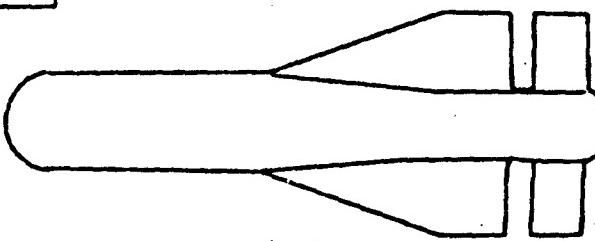
TARGETS ARMOR

NOMENCLATURE	NAME : TGSM
WEAPON CHARACTERISTICS	
WEIGHT- 11 KG LENGTH- 63 CM. DIAMETER- 101 MM GUIDANCE- IR TWO COLOR CONTROLS- TAIL ELECTRICAL AUTOPILOT- 2 AXIS ACCELERATION PROPULSION- NONE WARHEAD- 2 KG SHAPED CHARGE FUZE- CONTACT	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
DISPENSER TMD SAW	
PROGRAM MANAGEMENT CONTRACTOR- GENERAL DYNAMICS UNIT COST- \$18 ,000 STATUS- NEXT EVENT- REFERENCE-	

TARGETS AIRFIELDS

NOMENCLATURE	NAME VAM
WEAPON CHARACTERISTICS	
WEIGHT-22-28 LBS LENGTH-14-15 IN DIAMETER-4 5-5 8 IN GUIDANCE-None CONTROLS-None AUTOPilot-None PROPULSION-VELOCITY AUGMENTOR WARHEAD-FORWARD CHARGE ~2 5 LBS FOLLOW THROUGH~4 5 LBS FUZE-IMPACT DELAY	
PICTORIAL	
 <p>PICTORIAL FORWARD CHARGE FOLLOW THROUGH CHARGE VELOCITY AUGMENTOR</p>	
EMPLOYMENT OPTIONS	
DISPENSER MRASH (38) HAMMER (TBD)	
PROGRAM MANAGEMENT CONTRACTOR- LAWRENCE LIVERMORE UNIT COST- STATUS- NEXT EVENT- REFERENCE-M CALUDA AV8725375	

TARGETS ARMOR

NOMENCLATURE	NAME WASP-MISSILE
WEAPON CHARACTERISTICS	
WEIGHT- 126 LBS. LENGTH- 86 IN DIAMETER- 8 IN GUIDANCE- MMW CONTROLS- AUTOPilot-BIAS PURSUIT PROPULSION- BOOST SUSTAIN WARHEAD- 20 Lbs. SHAPED CHARGE FUZE- CONTACT	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
AIRCRAFT (PRIMARY)	LAUNCH MODES
F-16 (2) A-7 (2) F-111 (4) F-4 (2) PODS	BLIND LAUNCH CLOSE AIR SUPPORT
A-10 (2) NATO	
ENGAGEMENT SYSTEMS	
PAVE MOVER INERTIAL SYSTEM	
LAUNCHER	
WASP POD (PLYON MOUNTED) 22 x 24 In. 210 In long 8 MSL LOAD	
PROGRAM MANAGEMENT	
CONTRACTOR-HUGHES UNIT COST- \$32,500 FY82\$ ONE MSL STATUS- COMPLETED VALIDATION NEXT EVENT- TERMINATED REFERENCE-	